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UNIVERSITY OF LONDON,
UNIVERSITY COLLEGE.

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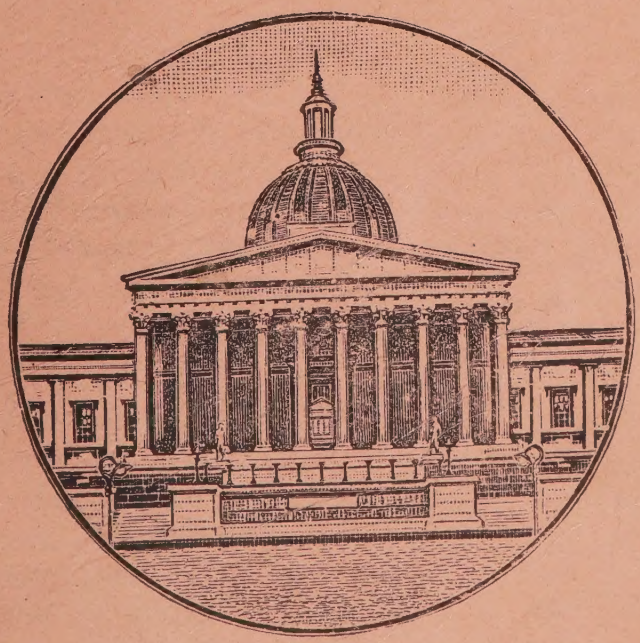

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TAYLOR AND FRANCIS, RED LION COURT, FLEET STREET.

1935.

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COLLEGE COMMITTEE.

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Professor BERNARD ASHMOLE, M.A., B.Litt.

H. ARTHUR BAKER, M.A., D.L., J.P.

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Brev.-Colonel H. J. HARRIS.

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Professor G. T. R. HILL, M.C., M.Sc.(Eng.), F.R.Ae.S.†

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G. I. H. LLOYD, M.A.

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ROGER T. SMITH, B.Sc., M.Inst.C.E., M.I.Mech.E., M.I.E.E.†

ELISABETH F. STEVENSON, M.A.*

Sir ANDREW T. TAYLOR, J.P., R.C.A., F.S.A., F.R.I.B.A.‡

AMY TOMES, J.P.

WILFRED TROTTER, M.D., M.S., LL.D., D.Sc., F.R.C.S., F.R.S.†

D. O. WOOD, M.Sc.

Professor W. C. CLINTON, B.Sc., M.I.E.E.† (*Died August*, 1934; *succeeded by Professor G. T. R. Hill.*)

Professor E. B. VERNEY, M.A., M.B., B.Ch., F.R.C.P. (*Resigned July*, 1934; *succeeded by Professor C. Lovatt Evans.*)

---

† Fellow of the College.
‡ Hon. Fellow of the College.
* Appointed May, 1934.

MANAGING SUB-COMMITTEE.

Chairman: Sir ANDREW T. TAYLOR, J.P., R.C.A., F.S.A., F.R.I.B.A.‡

Vice-Chairman: Sir ALEXANDER GIBB, G.B.E., C.B., F.R.S.E., M.Inst.C.E.†

Ex officio: The Chairman of the College Committee (Professor Sir JOHN ROSE BRADFORD, Bt., K.C.M.G., C.B., C.B.E., D.C.L., LL.D., M.D., D.Sc., Past Pres.R.C.P., F.R.S.).†
The Vice-Chairman of the College Committee (The Rt. Hon. LORD MESTON, K.C.S.I., LL.D.).‡

ARTHUR BRIAN ASHBY, M.A.

Professor BERNARD ASHMOLE, M.A., B.Litt.

H. ARTHUR BAKER, M.A., D.L., J.P.

A. DIGBY BESANT, B.A., Past Pres. I.A. (*Joint Treasurer*).†

Sir ROBERT WALEY COHEN, K.B.E.

Professor C. LOVATT EVANS, LL.D., D.Sc., F.R.C.P., F.R.S.†

Brev.-Colonel H. J. HARRIS.

Professor G. T. R. HILL, M.C., M.Sc.(Eng.), F.R.Ae.S.†

Professor T. G. HILL, D.Sc.

G. I. H. LLOYD, M.A.

The Rt. Hon. LORD LOCH, C.B., C.M.G., M.V.O., D.S.O. (*Joint Treasurer*).

ALLEN MAWER, M.A., Litt.D., F.B.A. (*Provost*).†

ROGER T. SMITH, B.Sc., M.Inst.C.E., M.I.Mech.E., M.I.E.E.†

ELISABETH F. STEVENSON, M.A.*

Professor W. C. CLINTON, B.Sc., M.I.E.E.† (*Died August*, 1934; *succeeded by Professor G. T. R. Hill.*)

Professor E. B. VERNEY, M.A., M.B., B.Ch., F.R.C.P. (*Resigned July*, 1934; *succeeded by Professor C. Lovatt Evans.*)

---

† Fellow of the College.
‡ Hon. Fellow of the College.
* Appointed June, 1934.

BUDGET SUB-COMMITTEE.

Chairman: A. Digby Besant, B.A., Past Pres.I.A. (*Joint Treasurer*).†

Ex officio: The Chairman of the College Committee (Professor Sir John Rose Bradford, Bt., K.C.M.G., C.B., C.B.E., D.C.L., LL.D., M.D., D.Sc., Past Pres.R.C.P., F.R.S.).†

The Vice-Chairman of the College Committee (The Rt. Hon. Lord Meston, K.C.S.I., LL.D.).‡

Arthur Brian Ashby, M.A.

H. Arthur Baker, M.A., D.L., J.P.

Sir Robert Waley Cohen, K.B.E.

Sir Alexander Gibb, G.B.E., C.B., F.R.S.E., M.Inst.C.E.†

David Heron, D.Sc.†

G. I. H. Lloyd, M.A.

The Rt. Hon. Lord Loch, C.B., C.M.G., M.V.O., D.S.O. (*Joint Treasurer*).

Allen Mawer, M.A., Litt.D., F.B.A. (*Provost*).†

Roger T. Smith, B.Sc., M.Inst.C.E., M.I.Mech.E., M.I.E.E.†

Sir Andrew T. Taylor, J.P., R.C.A., F.S.A., F.R.I.B.A.‡

Wilfred Trotter, M.D., M.S., LL.D., D.Sc., F.R.C.S., F.R.S.†

---

† Fellow of the College.
‡ Hon. Fellow of the College.

PROFESSORIAL BOARD.

Chairman.

ALLEN MAWER, M.A., Litt.D., F.B.A.†

	Appointed§
S. D. Adshead, M.A., M.Arch., F.R.I.B.A.	1914
Sir Maurice Sheldon Amos, K.B.E., M.A., K.C.	1932
E. N. da C. Andrade, D.Sc., Ph.D.†	1928
Bernard Ashmole, M.A., B.Litt.	1929
H. E. Monteagle Barlow, B.Sc., Ph.D., A.M.I.E.E.*	1929
L. F. Bates, D.Sc., Ph.D.*	1927
Norman H. Baynes, M.A., D.D., F.B.A., F.S.A.	1932
H. Hale Bellot, M.A.†	1930
Tancred Borenius, D.Lit., Ph.D.	1922
O. L. Brady, D.Sc.*	1931
Louis M. Brandin, M.A., Ph.D.	1901
Cyril L. Burt, M.A., D.Sc.	1932
Harold E. Butler, M.A.	1911
M. Cary, M.A., D.Litt.	1908
R. W. Chambers, M.A., D.Lit., F.B.A.†	1922
W. C. Clinton, B.Sc., M.I.E.E.†**	1926
J. D. Cowley, M.A., F.L.A.	1934
Eliza Jeffries Davis, M.A., F.S.A.†	1921
F. G. Donnan, C.B.E., M.A., LL.D., Ph.D., D.Sc., F.R.S.	1913
J. C. Drummond, D.Sc.	1920
C. Lovatt Evans, LL.D., D.Sc., F.R.C.P., F.R.S.†	1926
C. B. Fawcett, B.Litt., D.Sc.	1928
Una Fielding, M.B., Ch.M.*	1934
L. N. G. Filon, C.B.E., M.A., D.Sc., F.R.S.†	1912
R. A. Fisher, M.A., Sc.D., F.R.S.	1933
P. Geyl, Lit.D.	1919
S. R. K. Glanville, M.A.	1933
J. B. S. Haldane, M.A., F.R.S.	1933
N. F. Hall, M.A., A.M.	1927
A. V. Hill, O.B.E., M.A., Sc.D., D.Sc., F.R.S.	1923
G. T. R. Hill, M.C., M.Sc.(Eng.), F.R.Ae.S.†	1934
J. P. Hill, D.Sc., F.R.S.	1906
T. G. Hill, D.Sc., A.R.C.S.	1929
C. K. Ingold, D.Sc., F.R.S.	1930

† Fellow of the College. ‡ Hon. Fellow of the College.

§ The dates given in the case of Professors are those in which they were appointed to their respective Chairs : in the case of others, the dates are those in which they were appointed members of the Professorial Board.

* Selected by ballot for membership during Session 1934–35. (College Statute 24 (5), Regulation 29.)

** Died on 18th August, 1934.

	Appointed§
G. B. Jeffery, M.A., D.Sc., F.R.S.†	1924
H. F. Jolowicz, M.A., LL.D.	1931
Daniel Jones, M.A.	1921
G. W. Keeton, M.A., LL.D.	1931
W. B. R. King, O.B.E., M.A.	1931
J. Macmurray, M.C., M.A.	1928
J. H. Morgan, M.A., K.C., D.L.	1915
Margaret A. Murray, D.Lit.†	1925
J. E. Neale, M.A.†	1927
M. T. M. Ormsby, M.Inst.C.E.I.	1921
E. S. Pearson, M.A., D.Sc.†	1933
Camillo Pellizzi, D.Lit., Dr.J.	1934
W. J. Perry, M.A., D.Sc.	1923
A. E. Richardson, F.S.A., F.R.I.B.A.	1919
E. J. Salisbury, D.Sc., F.R.S. †	1929
Randolph Schwabe	1930
C. Singer, M.D., D.Litt., F.R.C.P.	1931
C. J. Sisson, M.A., D.-ès-L.	1928
M. T. Smiley, M.A.	1925
A. H. Smith, Ph.D.*	1934
Sir Grafton Elliot Smith, M.A., M.D., F.R.C.P., F.R.S.	1919
H. Terrey, B.Sc.*	1934
F. W. Thomas, C.I.E., M.A., Ph.D., F.B.A.	1913
D. M. S. Watson, D.Sc., F.R.S.	1921
H. E. Watson, D.Sc.†	1934
J. A. Wilks, M.A., F.L.A. [Librarian]	1926
L. A. Willoughby, M.A., D.Lit., Ph.D.†	1931
A. Wolf, M.A., D.Lit.†	1921
D. Orson Wood, M.Sc.	1932
T. L. Wren, M.A.	1925

Assessors.

The Sub-Deans of the Faculties :—

Arts : L. Solomon, M.A.	1907
Engineering : H. T. Davidge, B.Sc., M.I.E.E.	1926
Medical Sciences : J. Kirk, M.B., Ch.B., F.R.C.S.E.	1929

The Tutor to Women Students :—

Edith Goodyear, B.Sc.	1926

† Fellow of the College.

§ The dates given in the case of Professors are those in which they were appointed to their respective Chairs : in the case of others, the dates are those in which they were appointed members of the Professorial Board.

* Selected by ballot for membership during the Session 1934–35. (College Statute 24 (5), Regulation 29.)

ADMINISTRATIVE OFFICERS.

PROVOST.

ALLEN MAWER, M.A., Litt.D., F.B.A., Fellow of the College.

Secretary.—C. O. G. DOUIE.

Senior Tutors.—Faculties of Arts and Laws: L. SOLOMON, M.A. *Faculties of Science, Engineering and Medical Sciences*: J. KIRK, M.B., Ch.B., F.R.C.S.E.

Tutor to Women Students.—EDITH GOODYEAR, B.Sc.

Finance Secretary & Accountant.—E. L. TANNER, M.A., A.C.A., A.I.A.

Assistant Secretary.—B. G. GREIG.

Registrar.—H. E. FOSTER, M.A., F.Z.S. *Publications Secretary.*—ANNE KAY ROBERTSON. *Superintendent of Records and Private Secretary to Provost.*—O. V. LAWLEY. *Alumnus Secretary.*—MILLICENT M. OLDHAM. *Deputy Registrars.*—E. MURIEL JUKES, B.A., WINIFRED RADLEY. *Senior Clerk.*—R. L. GREGORY. *Private Secretary to Secretary.*—DOROTHY C. BOALCH.

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Cashier.—H. MARKLEW. *Assistant Cashier.*—J. H. NICHOLLS.

Clerks.—ELSIE C. HOLLAND, J. W. HUNT, K. S. PEARCE, W. N. PICKFORD, HELEN E. WHALL. *Telephone Operator.*—LOUISA SANSOM.

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Sub-Librarian.—NORAH BEALE, B.A.

Assistant Librarians.—F. M. C. JOHNSON, JOYCE PEARSON, A. E. TOOTH, M.A., L. W. A. ANDREW, B.A., F.L.A. *Senior Library Assistant.*—R. A. BLACKALL. *Library Assistants.*—R. I. J. TULLY, C. F. A. MARMOY. *Junior Library Assistants.*—N. HEBBLETHWAITE, H. F. RICHARDS, V. G. GLANVILLE, S. G. OTTLEY. *Clerical Assistant.*—JOYCE M. HAYMES, B.A.

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Honorary Sanitary Adviser.—M. E. DELAFIELD, M.B., B.Ch., D.P.H.

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Foreman.—W. H. WILLSTEED. *Clerk.*—E. W. FELLOWS.
Storekeeper.—A. W. CONISBEE.

Establishment Officer.—D. H. GILL, C.M.G., D.S.O.

Refectory. *Steward.*—HARRIET ROXBURGH. *Assistant Steward.*—DOROTHY FORGAN, B.Sc.

Chemistry Stores. *Comptroller.*—H. J. EVANS, B.Sc. *First Assistant.*—P. W. SLATER.

DEPARTMENTS AND STAFF.

(*January* 1935.)

[The names of Members of the respective Faculties are printed in SMALL CAPITALS.]

Faculty of Arts.

Dean.—Professor C. B. FAWCETT.
Vice-Dean.—Professor J. MACMURRAY.
Sub-Dean.—L. SOLOMON.

Subject.	*Name.*	*Status.*
Anthropology	W. J. PERRY, M.A., D.Sc.	Reader (Cultural Anthropology).
	L. W. G. Malcolm, M.Sc., F.R.S.E.	Hon. Lecturer.
Archæology	BERNARD ASHMOLE, M.A., B.Litt., Hon. A.R.I.B.A.	Yates Professor.
	R. E. M. Wheeler, M.A., D.Lit., F.S.A.†	Lecturer (British Archæology).
	F. J. Richards, M.A.	Hon. Lecturer (Indian Archæology).
	K. de B. Codrington, M.A.....	Hon. Lecturer (Indian Arts & Crafts).
Architecture	A. E. RICHARDSON, F.S.A., F.R.I.B.A.	Professor.
	S. D. ADSHEAD, M.A., M.Arch., F.R.I.B.A.	Professor of Town Planning.
	H. O. CORFIATO, S.A.D.G., A.R.I.B.A.	Reader.
	H. Warren Wilson, A.R.C.A. ..	Lecturer (Decoration).
	M. J. Dawson, F.R.I.B.A.	Lecturer (Building Construction).
	L. STUART STANLEY, M.A., F.R.I.B.A.	Lecturer and Tutor.
	H. Ingham Ashworth, B.A., A.R.I.B.A.	Lecturer.
	E. G. Richardson, B.A., D.Sc., Ph.D.	Hon. Lecturer (Acoustics).
	S. Hyde, A.R.I.B.A.	Senior Assistant.
	R. C. White-Cooper, B.A., A.R.I.B.A.	Assistant (Decoration).
	F. H. Carr, A.R.I.B.A., A.M.T.P.I.	Studio Instructors (Town Planning).
	J. D. M. Harvey, B.A.	Hon. Lecturer.
Celtic	R. E. FLOWER, D.Litt.....	

† Fellow of the College.

Subject.	*Name.*	*Status.*
Dutch History and Institutions.	P. Geyl, Lit.D.	Professor.
Dutch Language and Literature.	Theodoor Weevers, Lit.D.	Lecturer.
Egyptology and Coptic.	S. R. K. Glanville, M.A.	Reader.
	Margaret A. Murray, D.Lit.†	Assistant Professor.
English	R. W. Chambers, M.A., D.Lit., F.B.A.†	Quain Professor.
	C. J. Sisson, M.A., D.-ès-L. ...	Lord Northcliffe Professor.
	W. W. Greg, Litt.D., Hon. D.Litt., F.B.A.	Hon. Lecturer (Bibliography).
	Edith C. Batho, M.A., D.Lit.†	Reader.
	Elsie Blackman, M.A.†.	Senior Lecturer.
	J. R. Sutherland, M.A., B.Litt. .	Senior Lecturer.
	Elsie V. Hitchcock, Ph.D., D.Lit.†	Lecturer.
	A. H. Smith, Ph.D.	Lecturer.
	G. Tillotson, M.A. B.Litt.	Lecturer.
	H. Winifred Husbands, M.A. ..	Senior Assistant.
	H. Jenkins, M.A.	Quain Student.
Fine Arts.....	Randolph Schwabe	Slade Professor.
	Tancred Borenius, D.Lit., Ph.D.	Durning - Lawrence Professor (History of Art).
	Walter Bayes, A.R.W.S.	Lecturer in Perspective.
	Margaret Alexander	Assistant.
	P. Brooker	Assistant.
	G. J. Charlton	Assistant.
	A. H. Gerrard	Assistant.
	A. Gwynne Jones, D.S.O.	Assistant.
	G. W. Meldrum	Assistant.
	F. Ormrod	Assistant.
	V. Polunin	Assistant.
	Franklin White	Assistant.
	J. Wilkie.....	Assistant.
	W. Thomas Smith	Demonstrator (Wood Engraving).
French	Louis M. Brandin, M.A., Ph.D.	Fielden Professor.
	J. W. Jeaffreson, M.A.†	Senior Lecturer.
	E. M. Stéphan	Senior Lecturer.
	Beatrice J. Schlumberger, M.A.	Lecturer.
	Dora Starke, M.A.	Lecturer.
	L. W. Tancock, Ph.D.	Lecturer.
	R. Niklaus, Ph.D., L.-ès-L.	Assistant Lecturer.
	J. S. Wood, B.A., D.U.P.....	Assistant.
Geography	C. B. Fawcett, B.Litt., D.Sc. ..	Professor (Economic and Regional Geography).
	W. B. R. King, O.B.E., M.A. ..	Yates-Goldsmid Professor (Physical Geography).
	M. T. M. Ormsby, M.Inst.C.E.I.	Reader (Surveying).
	G. B. Barbour, M.A., Ph.D. ..	Hon. Lecturer.
	C. A. Hart, M.Sc.(Eng.)	Lecturer (Surveying).

† Fellow of the College.

Subject.	*Name.*	*Status.*
Geography (*cont.*).	R. Ogilvie Buchanan, M.A., Ph.D., B.Sc.(Econ.).	Lecturer.
	R. E. Dickinson, M.A., Ph.D. . .	Lecturer.
	A. E. Smailes, M.A.	Assistant Lecturer.
German	L. A. Willoughby, M.A., D.Lit., Ph.D.†	Professor.
	W. Perrett, B.A., Ph.D.	Reader.
	F. Norman, M.A.	Reader.
	K. W. Maurer, Ph.D.	Assistant Lecturer.
	O. H. Edwards, M.A., Ph.D. . .	Assistant Lecturer.
Greek	M. T. Smiley, M.A.	Professor.
	L. Solomon, M.A.	Senior Lecturer.
	J. F. Lockwood, M.A.	Lecturer.
	M. L. Clarke, B.A.	Assistant Lecturer.
Hebrew	E. Rosenthal, Ph.D.	Goldsmid Lecturer.
History ; English . .	J. E. Neale, M.A.†	Astor Professor.
	G. J. Renier, Ph.D.	Lecturers.
	M. A. Thomson, M.A., D.Phil .	
	H. Beeley, B.A	Assistant Lecturers.
	N. H. Gibbs, B.A.	
	J. H. Le Patourel, B.A.	
,, ; London . .	Eliza Jeffries Davis, M.A., F.S.A.†	Reader.
,, ; Modern French.	A. Alexandre, Ag. de l'Univ..	Reader.
,, ; American	H. Hale Bellot, M.A.†	Commonwealth Fund Professor.
	R. A. Humphreys, M.A., Ph.D..	Assistant Lecturer.
,, ; Ancient . .	M. Cary, M.A., D.Litt.	Reader.
	Olwen Brogan, M.A.	Assistant.
,, ; Byzantine	Norman H. Baynes, M.A., D.D., F.B.A., F.S.A.	Professor.
,, ; Evening School.	G. J. Renier, Ph.D.	Tutor.
Italian	Camillo Pellizzi, D.Lit.,Dr. J.	Professor.
	Edmund G. Gardner, M.A., Litt.D., F.B.A.	Barlow Lecturer.
	Senator Antonio Cippico, Dr. J.	Hon. Lecturer.
	A. M. Bassani, Sc.D.	Lecturer.
	Elizabeth H. Bigg-Wither, B.A.	Assistant Lecturer.
Latin	H. E. Butler, M.A.	Professor.
	L. Solomon, M.A.	Senior Lecturer.
	R. D. McLellan, B.A., Ph.D. . .	Lecturer.
	M. L. Clarke, B.A.	Assistant Lecturer.
Librarianship	J. D. Cowley, M.A., F.L.A. . .	Director.
	J. A. Wilks, M.A., F.L.A.	Assistant Director.
	Arundell Esdaile, M.A., F.L.A..	Lecturer (Bibliography).
	W. C. Berwick Sayers, F.L.A. .	Lecturer (Classification).
	B. M. Headicar, F.L.A.	Lecturer (Library Organisation).
	W. E. Doubleday, F.L.A.	Lecturer (Library Routine).
	(*Vacant.*)	Lecturer (Cataloguing and Indexing).

† Fellow of the College.

Subject.	*Name.*	*Status.*
Librarianship (*cont.*).	V. H. Galbraith, M.A.	Lecturer (Palæography and Archives).
	R. W. Chambers, M.A., D.Lit., F.B.A.†	Professor (English Language and Literature).
Mathematics (Applied) and Mechanics.	L. N. G. Filon, C.B.E., M.A., D.Sc., F.R.S.†	Goldsmid Professor and Director of the Observatories.
	H. T. Davidge, B.Sc., M.I.E.E.	Senior Lecturer. (Civil and Mech. Engineering).
	H. T. Jessop, M.Sc.	Senior Lecturer (Mechanics).
	C. C. L. Gregory, M.A., F.R.A.S.	Senior Lecturer (Astronomy) and Wilson Observer.
	A .C. Stevenson, M.Sc.	Lecturer.
	F. C. Harris, M.Sc.	Assistant.
	Elizabeth Williamson, F.R.A.S.	Assistant.
	L. A. Wigglesworth, M.Sc.	Assistant.
Mathematics	G. B. Jeffery, M.A., D.Sc., F.R.S.†	Astor Professor
	T. L. Wren, M.A.....	Reader (Geometry).
	L. S. Bosanquet, M.A., D.Phil..	Lecturer.
	T. Estermann, D.Sc.....	Lecturer.
	Constance M. Rigby,M.A.,Ph.D.	Lecturer.
	J. W. Archbold, M.A.	Lecturer.
	H. Kestelman, M.Sc.	Assistant Lecturer.
	Ida W. Busbridge, M.Sc.	Demonstrators.
	Zona Cone, B.Sc.	Demonstrators.
	L. W. F. Elen, B.Sc.	Demonstrators.
Philology ; Comparative.	F. W. Thomas, C.I.E., M.A., Ph.D., F.B.A.	Lecturer.
Philosophy	J. Macmurray, M.C., M.A.....	Grote Professor (Philosophy of Mind and Logic).
	S V. Keeling, M.A., D.-ès-L.	Senior Lecturer.
	Edgar Wind, Ph.D.	Hon. Lecturer.
	Feodora S. Leontinoff, B.A. ..	Assistant Lecturer.
Phonetics	Daniel Jones, M.A.	Professor.
	W. Perrett, B.A., Ph.D.	Reader (German).
	Lilias E. Armstrong, B.A. ...	Senior Lecturer.
	J. R. Firth, M.A.	Senior Lecturer.
	Stephen Jones, B.Sc.	Supt. of Laboratory.
	A. Lloyd-James, M.A.	Hon. Lecturer.
	Hélène Coustenoble	Lecturer.
	Edith E. Quick, B.A.	Lecturer.
	Hyacinth M. Davies	Senior Assistant.
	Eileen M. Evans, B.A., ...	Assistant Lecturer.
	D. B. Fry, B.A.....	Assistant Lecturer.
	A. Dorothy Parkinson	Assistant and Secretary to Phonetics Laboratory.
	E. Marguerite Chapallaz	Research Assistant.

† Fellow of the College.

Subject.	*Name.*	*Status.*
Political Economy ..	(*Vacant.*)	Professor.
	N. F. HALL, M.A., A.M.	Senior Lecturer.
	P. N. Rosenstein-Rodan, D.rer. Pol., B. Comm.	Special Lecturer.
	H. T. N. GAITSKELL, B.A	Lecturer and Tutor to Higher Civil Service Students.
	H. Barger, B.A.	Lecturer.
	Doreen Warriner, B.A., Ph.D...	Assistant Lecturer.
	Nancy M. Windett, B.Sc.(Econ.).	Hon. Research Assistant.
Psychology	CYRIL BURT, M.A., D.Sc.....	Professor.
	J. C. FLUGEL, B.A., D.Sc.	Assistant Professor.
	S. J. F. Philpott, M.C., D.Sc. ..	Lecturer.
	R. J. Lythgoe, M.A., M.D., D.Sc.	Lecturer.
	Pryns Hopkins, M.A., Ph.D. ..	Hon. Lecturer.
	W. Stephenson, M.Sc., Ph.D....	Research Assistants.
	Susan S. Isaacs, M.A., D.Sc....	Research Assistants.
	Constance A. Simmins, M.A. ..	Hon. Research Assistant.
Scandinavian Studies	Allen Mawer, M.A., Litt.D., F.B.A.	Hon. Director.
	J. H. HELWEG, cand. mag.	Queen Alexandra Lecturer (Danish).
	I. C. GRÖNDAHL, cand. mag. ..	W. P. Ker Lecturer (Norwegian).
	E. Mesterton, fil. mag.	Crown Princess Louise Lecturer (Swedish).
Semitic (North) Epigraphy.	E. ROSENTHAL, Ph.D.	Lecturer.
Tibetan	F. W. Thomas, C.I.E., M.A., Ph.D., F.B.A.	Reader.

[The Professor of Logic and Scientific Method is also a member of this Faculty.]

Faculty of Laws.

Dean.—Professor Sir MAURICE SHELDON AMOS.

Vice-Dean.—Dr. G. W. KEETON.

Sub-Dean.—Professor H. F. JOLOWICZ.

Comparative Law ..	Sir MAURICE SHELDON AMOS, K.B.E., M.A., K.C.	Quain Professor.
Constitutional Law .	J. H. MORGAN, M.A., K.C., D.L.	Professor.
English History	J. E. NEALE, M.A.	Astor Professor.
English Law	G. W. KEETON, M.A., LL.D. ..	Reader.
Indian Law	S. G. VESEY FITZGERALD, M.A.	Lecturer.
Jurisprudence	H. F. JOLOWICZ, M.A., LL.D...	Lecturer and Acting Head of the Department.
Roman Dutch Law .	GILBERT DOLD, M.A., LL.B., B.C.L.	Lecturer.
Roman Law	H. F. JOLOWICZ, M.A., LL.D. ..	Professor.
Tutorial work	A. S. GILBERT, LL.M.	Assistant.
	J. T. MOLONY, M.A., LL.M.....	Assistant.
	L. C. B. Gower, LL.M.....	Assistant.

[The Senior Tutor (Mr. L. Solomon) is also a member of this Faculty.]

Faculty of Science.

Dean.—Professor G. K. Ingold.
Vice-Dean.—Dr. Paul Haas.
Sub-Dean.—D. O. Wood.

Subject.	*Name.*	*Status.*
Anthropology	W. J. Perry, M.A., D.Sc.	Reader (Cultural Anthropology).
	L.W.G.Malcolm, M.Sc.,F.R.S.E.	Hon. Lecturer.
Botany	T. G. Hill, D.Sc., A.R.C.S. ...	Professor of Plant Physiology and Director of Laboratories.
	E. J. Salisbury, D.Sc., F.R.S.†	Quain Professor.
	Paul Haas, Ph.D., D.Sc.†	Reader (Plant Chemistry).
	E. M. Cutting, M.A.	Senior Lecturer.
	Barbara Russell - Wells, B.Sc., Ph.D.	Lecturer.
	F. W. Jane, B.Sc., Ph.D.....	Lecturer.
	C. Leighton Hare, B.Sc.....	Assistant Lecturer.
	K. Wilson, B.Sc.	Quain Student.
Chemistry	F. G. Donnan, C.B.E., M.A., LL.D., Ph.D, D.Sc., F.R.S. .	Professor and Director of Laboratories.
	C. K. Ingold, D.Sc., F.R.S. ..	Professor.
	J. Norman Collie, Ph.D., LL.D., D.Sc., F.R.S.‡	Emeritus Professor and Hon. Lecturer.
	Oscar L. Brady, D.Sc.	Reader (Organic).
	B. Topley, M.A.	Reader (Physical Chemistry.)
	H. J. Evans, B.Sc.	Senior Lecturer to Medical Students.
	H. Terrey, B.Sc.	Senior Lecturer.
	C. R. Bailey, B.A., M.Sc.....	Senior Lecturer.
	Francis W. Goodbody, M.D., M.R.C.P.	Hon. Lecturer (Medical).
	F. A. Freeth, O.B.E., Ph.D., D.Sc., F.R.S.	Hon. Lecturer.
	R. W. Lunt, M.Sc., Ph.D.	Hon. Lecturer.
	L. F. Gilbert, B.Sc.	Lecturer.
	J. N. E. Day, M.Sc.	Lecturer.
	R. J. W. Le Fèvre, M.Sc., Ph.D.	Lecturer.
	O. J. Walker, B.Sc., Ph.D.	Lecturer.
	C. F. Goodeve, M.Sc.	Lecturer.
	W. R. Angus, M.A., B.Sc., Ph.D.	Assistant Lecturers.
	G. S. Hartley, M.Sc.	Assistant Lecturers.
	C. L. Wilson, Ph.D.	Assistant Lecturers.
	H. Freundlich, Ph.D.....	Hon. Research Associates.
	N. K. Adam, M.A., Sc.D.	Hon. Research Associates.
	H. G. de Laszlo, M.A., Ph.D. ..	Hon. Research Associates.
	C. Robinson, Ph.D.....	Hon. Research Associates.
	E. D. Hughes, M.Sc., Ph.D. ...	Hon. Research Assistant.

† Fellow of the College.
‡ Hon. Fellow of the College.

Subject.	*Name.*	*Status.*
Chemical Engineering.	H. E. Watson, D.Sc., M.I.Chem.E.†	Ramsay Professor.
	J. P. Mullen, M.Eng.	Lecturer.
	M. B. Donald, M.Sc., A.R.C.S.	Lecturer.
	H. W. Richards, B.Sc.	Hon. Assistant.
	H. W. Thorp, B.Sc.	Demonstrator.
Eugenics.	R. A. Fisher, M.A., Sc.D., F.R.S.	Galton Professor.
	Julia Bell, M.A., M.R.C.P., M.R.C.S.	Hon. Galton Research Fellow.
	G. M. Morant, D.Sc.	Lecturer.
	K. Mather, Ph.D.	Assistant Lecturer.
	W. L. Stevens, B.A., B.Sc. ..	Assistant Lecturer.
	M. Noel Karn, M.A.	Research Assistant.
Geology, Physical Geography, and Mineralogy.	W. B. R. King, O.B.E., M.A. ..	Yates-Goldsmid Professor.
	L. J. Chubb, M.Sc., Ph.D.	Lecturer.
	Edith Goodyear, B.Sc.	Hon. Lecturer.
	M. MacGregor, M.Sc., Ph.D....	Assistant Lecturer.
	J. F. Kirkaldy, M.Sc.	Assistant Lecturer.
History and Method of Science.	A. Wolf, M.A., D.Lit.†	Professor (Logic and Scientific Method).
	D. McKie, B.Sc., Ph.D.....	Lecturer.
	A. Armitage, M.Sc.	Assistant.
	Ruby E. Dowling, B.Sc.	Assistant.
Physics	E. N. da C. Andrade, D.Sc., Ph.D.†	Quain Professor and Director of Laboratories.
	D. O. Wood, M.Sc.	Senior Lecturer and Deputy Director of Laboratories.
	L. F. Bates, D.Sc., Ph.D.	Reader.
	N. Eumorfopoulos, B.Sc.† ...	Hon. Research Assistant.
	R. E. Gibbs, D.Sc.	Lecturer.
	F. C. Chalklin, B.Sc., Ph.D. ...	Lecturer.
	G. B. Brown, M.Sc., Ph.D. ...	Lecturer.
	R. C. Brown, B.Sc.	Lecturer.
	W. E. Duncanson, M.Sc., Ph.D.	Assistant Lecturer.
	R. Roscoe, B.Sc., Ph.D.	Assistant Lecturer.
Physiology and Biochemistry (see *Faculty of Medical Sciences*).		
Statistics	E. S. Pearson, M.A., D.Sc.† ..	Reader.
	Ethel M. Elderton, D.Sc.†..	Reader (Social Statistics).
	J. Neyman, Ph.D.....	Special Lecturer.
	B. L. Welch, B.A.....	Assistant Lecturer.
Zoology and Comparative Anatomy.	D. M. S. Watson, D.Sc., F.R.S.	Jodrell Professor.
	J. B. S. Haldane, M.A., F.R.S.	Professor (Genetics).
	Elizabeth Fraser, D.Sc.† ...	Reader.
	E. S. Russell, O.B.E., M.A., D.Sc.	Hon. Lecturer.
	G. P. Wells, M.A.	Lecturer.
	N. H. Howes, M.Sc.	Lecturer.

† Fellow of the College.

Subject.	*Name.*	*Status.*
Zoology and Comparative Anatomy (*cont.*).	M. J. D. White, M.Sc.	Assistant Lecturer.
	H. K. Pusey, B.A.	Assistant Lecturer.
	Joyce Townend	Research Assistant and Secretary to the Department.
	P. A. Gorer, B.Sc., M.R.C.S., L.R.C.P.	Hon. Research Assistant.
	Rachel M. Renton.....	Aquarium Assistant.

[The Professors of Anatomy, Archæology, Biochemistry, Economic Geography, Embryology, Mathematics, Applied Mathematics and Mechanics, Pharmacology, Physiology, Psychology, and Political Economy, Dr. Bosanquet, Mr. Davidge, Dr. Flugel, Mr. C. C. L. Gregory, Mr. Jessop, Dr. Kirk, and Mr. Wren, are also members of this Faculty.]

Faculty of Engineering.

Dean.—Professor M. T. M. Ormsby.

Vice-Dean.—Professor G. T. R. Hill.

Sub-Dean.—H. T. Davidge.

Subject.	*Name.*	*Status.*
Engineering; Civil and Mechanical.	G. T. R. Hill, M.C., M.Sc.(Eng.), F.R.Ae.S.†	Kennedy Professor of Engineering and Director of Civil and Mechanical Engineering Laboratories.
	M. T. M. Ormsby, M.Inst.C.E.I.	Reader (Surveying).
	B. J. Lloyd-Evans, M.Sc., M.I.Mech.E.	Assistant Professor.
	H. J. Collins, M.Sc., M.Inst.C.E., M.I.Mech.E.	Assistant Professor (Civil and Municipal).
	H. T. Davidge, B.Sc., M.I.E.E.	Senior Lecturer.
	A. E. Webb, B.Sc., A.M.Inst.C.E.	Senior Lecturer.
	A. C. Cookson, M.Inst.C.E. ...	Lecturer (Railway Engineering).
	Brysson Cunningham, D.Sc., B.E., M.Inst.C.E., F.R.S.E.	Lecturer (Waterways, Harbours, & Docks).
	P. L. Capper, M.Sc., A.M.Inst.C.E.	Lecturer.
	D. Cameron, A.M.I.Mech.E....	Senior Assistant.
	S. S. Watts, B.Sc.	Senior Assistant.
Engineering; Electrical.	(*Vacant.*)	Pender Professor.
	H. E. Monteagle Barlow, B.Sc., Ph.D., A.M.I.E.E., A.M.I.Mech.E.	Senior Lecturer (Electro-Communications).
	C. W. Bayliss, M.A., A.M.I.E.E.	Lecturer (Electrical Machinery).
	J. Greig, M.Sc.(Eng.), A.M.I.E.E.	Assistant Lecturer.

† Fellow of the College.

Subject.	*Name.*	*Status.*
Municipal Engineering and Hygiene.	M. T. M. Ormsby, M.Inst.C.E.I.	Edwin Chadwick Professor.
	H. J. Collins, M.Sc., M.Inst.C.E., M.I.Mech.E.	Assistant Professor (Civil and Municipal).
	M. E. Delafield, B.A., M.B., L.R.C.P., D.P.H.	Special Lecturer (Hygiene).
	C. A. Hart, M.Sc.(Eng.), A.M.I.Struct.E., A.M.Inst.C.E.	Lecturer.

[The Professors of Architecture, Chemistry (Prof. Donnan), Chemical Engineering, Geology, Mathematics, Applied Mathematics and Mechanics, Physics, and Town Planning, together with Dr. W. R. Angus, Dr. F. C. Chalklin, Dr. Kirk, Mr. D. O. Wood, and Mr. T. L. Wren, are also members of this Faculty.]

Faculty of Medical Sciences.

Dean.—Professor C. Lovatt Evans.

Vice-Dean.—Professor J. P. Hill.

Sub-Dean.—J. Kirk.

Subject.	*Name.*	*Status.*
Anatomy and Embryology.	Sir Grafton Elliot Smith, M.A., Litt.D., M.D., D.Sc., Ch.M., F.R.C.P., F.R.S.	Professor (Anatomy).
	J. P. Hill, D.Sc., F.R.S.	Professor (Embryology).
	W. J. Perry, M.A., D.Sc.	Reader (Cultural Anthropology).
	J. Kirk, M.B., Ch.B., F.R.C.S.E.	Senior Demonstrator.
	A. Durward, M.D.	Senior Demonstrator.
	Matthew Young, M.D., D.Sc. ..	Lecturer.
	K. C. Richardson, M.Sc.	Lecturer (Histology).
	R. W. A. Salmond, O.B.E., M.D., Ch.M., D.P.H.	Hon. Lecturers (Radiology).
	C. E. S. Phillips, O.B.E., F.R.S.E.	Hon. Lecturers (Radiology).
	R. J. Ludford, D.Sc., Ph.D. ...	Hon. Lecturer (Cytology).
	L. W. G. Malcolm, M.Sc., F.R.S.E.	Hon. Lecturer (Anthropology).
	Una Fielding, M.B., Ch.M.	Demonstrator and Lecturer in Neurology.
	A. C. McMaster, M.B., Ch.B., F.R.C.S.E.	Demonstrator.
	C. W. Flemming, M.A., B.M., M.Ch., F.R.C.S.	Demonstrator.
	G. Qvist, M.B., B.S.	Demonstrator.
	W. F. Batty, B.Sc.	Demonstrator.

† Fellow of the College.

Subject.	*Name.*	*Status.*
Anatomy and Embryology (*cont.*).	E. Wolff, M.B., B.S., F.R.C.S.	Hon. Demonstrators.
	Alfreda H. Baker, M.D., F.R.C.S.	
	K. L. James, M.B., B.S., F.R.C.S.	
	Enid H. Rockstro, M.B., B.S., F.R.C.S.	
	C. da Costa, M.D.	Hon. Research Associate.
	G. S. Sansom, D.Sc.†	Hon. Research Assistants.
	J. T. Carter, F.Z.S.†	
	Frances M. Collinson	Artist.
	(*Vacant.*)	Percy F. Macgregor Scholar.
Botany	T. G. Hill, D.Sc., A.R.C.S. ...	Professor (Plant Physiology) and Director of Laboratories.
	E. J. Salisbury, D.Sc., F.R.S.†	Quain Professor.
	E. M. Cutting, M.A.	Senior Lecturer.
Chemistry	F. G. Donnan, C.B.E., M.A., LL.D., Ph.D., D.Sc., F.R.S.	Professor and Director of Laboratories.
	C. K. Ingold, D.Sc., F.R.S. ..	Professor.
	J. Norman Collie, LL.D., Ph.D., D.Sc., F.R.S.‡	Emeritus Professor and Hon. Lecturer.
	H. J. Evans, B.Sc.	Senior Lecturer in Chemistry to Medical Students.
	F. W. Goodbody, M.D., M.R.C.P.	Hon. Lecturer (Medical Chemistry).
Medicine, History of.	C. Singer, M.D., D.Litt., F.R.C.P.	Professor.
	J. S. Prendergast, B.A., B.Sc., M.B., Ch.B.	Hon. Research Assistants.
	W. R. Dawson, F.R.S.E.	
	Sybil D. Wingate, B.A., Ph.D.	
Physics	E. N. da C. Andrade, D.Sc., Ph.D.†	Quain Professor and Director of Laboratories.
	D. O. Wood, M.Sc.	Senior Lecturer and Deputy Director of Laboratories.
	R. C. Brown, B.Sc.	Lecturer.
Physiology, Pharmacology, and Biochemistry.	C. Lovatt Evans, LL.D., D.Sc., F.R.C.P., F.R.S.†	Jodrell Professor (Physiology) and Director of Laboratories.
	J. H. Gaddum, M.A., M.R.C.S., L.R.C.P.	Professor-elect (Pharmacology).
	J. C. Drummond, D.Sc.	Professor (Biochemistry).
	A. V. Hill, O.B.E., M.A., LL.D., Sc.D., D.Sc., F.R.S.	Foulerton Professor* and University Professor.
	R. J. Lythgoe, M.A., M.D., D.Sc.	Reader (Physiology of the Sense Organs).

* Appointed by the Royal Society.
† Fellow of the College.
‡ Hon. Fellow of the College.

Subject.	*Name.*	*Status.*
Physiology, Pharmacology, and Biochemistry (*cont.*).	W. H. Newton, M.D., M.Sc. ..	Senior Lecturer.
	H. R. Ing, M.A., D.Phil.	Lecturer (Pharmacological Chemistry).
	Phyllis M. Tookey Kerridge, M.Sc., Ph.D.	Lecturer.
	G. Stella, M.D.	Lecturer.
	H. Barcroft, M.A., B.Ch.....	Lecturer.
	R. A. Kekwick, B.Sc.	Lecturer.
	C. Reid, M.A., M.D., D.Sc., D.P.H.	Lecturer.
	Sir Stewart Duke-Elder, M.A., M.D., D.Sc., Ph.D., F.R.C.S.	Hon. Research Associates.
	E. W. Fish, M.D., D.Sc., L.D.S.	Hon. Research Associates.
	W. A. H. Rushton, M.A., Ph.D.	Hon. Research Associates.
	L. Young, B.Sc.	Assistant Lecturer.
	D. H. K. Lee. M.B., B.S., M.Sc.	Sharpey Scholar.
	Lilian M. Pickford, M.Sc. ..	Assistant.
	G. W. Theobald, B.A., M.D., M.R.C.P., F.R.C.S.E.	Demonstrator (Pharmacology).
	Katharine Tansley, B.Sc., Ph.D.	Hon. Assistant.
	F. G. Young, B.Sc., Ph.D.	Hon. Assistant.
	C. H. Gray, B.Sc.	Demonstrator.
	H. Davson, B.Sc.	Demonstrator.
	Lily M. Kerly, B.A., Ph.D. ...	Demonstrator.
	H. T. Fawns, M.Sc., A.R.C.S...	Demonstrator.
Zoology and Comparative Anatomy (see *Faculty of Science*).		

[The Professors of Psychology and Zoology are also members of this Faculty.]

PROFESSORES EMERITI.

Sir Thomas Barlow, Bt., K.C.V.O., M.D., D.Sc., F.R.C.P., F.R.S.	Clinical Medicine	1911
Frederick Brown	Fine Art	1918
Sir John Rose Bradford, Bt., K.C.M.G., C.B., C.B.E., M.D., LL.D., D.Sc., Past-Pres.R.C.P., F.R.S.†	Medicine	1925
H. R. Kenwood, C.M.G., M.B., B.S., D.P.H., F.R.S.E.	Hygiene and Public Health	1925
Herbert R. Spencer, M.D., LL.D., F.R.C.P., M.R.C.S.	Obstetric Medicine	1926
Sir J. Ambrose Fleming, M.A., D.Sc., D.Eng., F.R.S.†	Electrical Engineering	1926
Percy Flemming, M.D., F.R.C.S.†	Ophthalmic Medicine and Surgery.	1927
F. C. Montague, M.A.†	Mediæval and Modern History.	1928
H. S. Foxwell, M.A., F.B.A.	Political Economy	1928
J. Norman Collie, Ph.D., LL.D., D.Sc., F.R.S.‡	Organic Chemistry	1928
G. Dawes Hicks, M.A., Litt.D., Ph.D., F.B.A.	Philosophy	1928
L. W. Lyde, M.A.	Economic Geography	1928
Alfred W. Porter, D.Sc., F.R.S.†	Physics	1928
E. A. Gardner, Litt.D.‡	Archæology	1929
F. W. Oliver, M.A., D.Sc., F.R.S.†	Botany	1929
Henry Tonks, F.R.C.S.‡	Fine Art	1930
E. J. Garwood, M.A., Sc.D., F.R.S.	Geology	1931
R. Priebsch, Ph.D.	German	1931
C. Spearman, Ph.D., LL.D., F.R.S.	Psychology	1931
Karl Pearson, M.A., LL.D., F.R.S.‡	Eugenics	1933
Sir W. M. Flinders Petrie, D.C.L., LL.D., D.Sc., F.B.A., F.R.S.‡	Egyptology	1933
E. G. Coker, M.A., D.Sc., M.Inst.C.E., F.R.S.	Civil and Mechanical Engineering.	1934
Edmund G. Gardner, M.A., Litt.D., F.B.A.	Italian	1934

† Fellow of the College.
‡ Hon. Fellow of the College.

REPRESENTATIVES.

The following have been appointed, or re-appointed, during the past twelve months, representatives of the College on the various bodies, or at the Celebrations, named :—

By the College Committee :—

The Provost (Dr. Allen Mawer). Dr. F. W. Goodbody ..... Professor G. B. Jeffery	Committee of Management of Ealing Hall Association, Ltd.
Dr. J. Kirk..... Mr. L. Solomon ..... Mr. D. O. Wood	London Intercollegiate Scholarships Board.
The Provost (Dr. Allen Mawer).	Council of College Hall.
Professor Sir Maurice Amos ...	Celebration of the Fiftieth Anniversary of the University College of North Wales, November 1934.
Mr. S. R. K. Glanville	Forty-fifth Annual Conference of the Museums Association, Bristol, July 1934.
Professor Sir Grafton Elliot Smith.	International Congress of Anthropological and Ethnological Sciences, July 1934.

By the Senate :—

Professor H. E. Butler ..... Professor G. B. Jeffery	Governing Bodies of Borough Road Training College and St. Mark and St. John Training College.
Professor H. E. Butler ..... Professor Sir Percy Nunn.....	Governing Body of Westminster Training College.
Professor H. E. Butler ..... Professor D. M. S. Watson.....	Governing Body of St. Mary's Training College.
Mr. J. W. Jeaffreson	Governing Body of Stepney and Bow Foundation.
Mr. E. L. Tanner	Central Council of Federated Superannuation System.
Dr. J. W. T. Walsh	Governing Body of Hampton Grammar School.
Professor W. W. Watts.....	Governing Body of Sutton County School.
Mr. T. L. Wren	Governing Body of United Westminster Schools and Emanuel Hospital Foundation.

Members of the College have been appointed representatives of the University as follows :—Lord Meston, on the Governing Body of Holloway County Secondary School for Boys ; Sir Andrew Taylor, on the Governing Body of Roedean School and the Council of Almoners of Christ's Hospital ; Professor Norman Baynes, on the Council of Westfield College ; Professor W. B. R. King, on the Governing Body of University College School *vice* Colonel Harris

resigned ; and Professor A. Wolf, on the Governing Body of Haberdashers' Aske's Schools. Professor C. B. Fawcett represented the University at the International Congress of Geography held at Warsaw in the Autumn of 1934.

THE COLLEGE COMMITTEE.

Miss Elisabeth F. Stevenson, M.A., has been appointed a member of the College Committee.

Professors Bernard Ashmole, W. C. Clinton, T. G. Hill, and E. B. Verney succeeded Professors R. W. Chambers, E. G. Coker, G. B. Jeffery, and J. C. Drummond respectively as four of the representatives of the Professorial Board. Professor G. T. R. Hill was subsequently elected to fill the vacancy created by the death of Professor W. C. Clinton, to which fuller reference is made on p. 33. Professor Lovatt Evans has taken the place of Professor E. B. Verney, who resigned at the end of last session (p. 48).

Mr. D. O. Wood has succeeded Dr. L. F. Bates as the non-professorial representative of the Professorial Board.

STUDENTS AND FEES.

Session 1933–34.

The number of Students, other than Evening and Vacation Students, who registered during the Session 1933–34 was 2887, being an increase of 154 on the figure for the preceding Session. There were 547 Postgraduate and Research Students, as compared with 496 in the previous Session. The number of Evening Students was 257, being a decrease of 40. Vacation Courses were attended by 154 persons (of whom 87 were not regular students of the College) compared with 150 in the previous Session. Adding these figures together, the total number of registered Students is 3231, which is an increase of 105 on the previous year.

Attention was called in the last Report to the increases in the number of Postgraduate and Research Students and in the Faculty of Medical Sciences. Still greater increases were shown by the figures for 1933–34, being 51 in the case of Postgraduate and Research Students, and 67 in the case of Medical Students, the latter increase being partly due to the larger number taking the Primary Fellowship Course in Anatomy. There was also a marked rise (41) in the number taking general courses in the Faculty of Arts. Against these principal increases must be set a decline of 24 in the Faculty of Engineering, and the further decline of 40 in the number of Evening Students, which is referred to above.

The following table, with figures for last session in brackets, shows the distribution of the Students and the rise or fall in numbers :—

	Men.	Women.	Total.
I. Faculty of Arts.			
(a) General	412 (377)	442 (436)	854 (813)
(b) Department of Fine Arts.	56 (64)	186 (189)	242 (253)
(c) School of Architecture	102 (112)	31 (28)	133 (140)
(d) School of Librarianship	69 (54)	64 (74)	133 (128)
(e) School of Journalism	16 (12)	26 (18)	42 (30)
II. Faculty of Science	315 (290)	121 (134)	436 (424)
III. Faculty of Medical Sciences	227 (179)	70 (51)	297 (230)
IV. Faculty of Engineering	112 (135)	2 (3)	114 (138)
V. Faculty of Laws	80 (69)	9 (12)	89 (81)
VI. Post-Graduate and Research	446 (393)	101 (103)	547 (496)
Total	1835 (1685)	1052 (1048)	2887 (2733)
VII. Evening :			
Arts	134 (133)	123 (164)	257 (297)
VIII. Vacation :			
(a) Anatomy and Physiology.	54 (40)	11 (16)	65* (56)
(b) Phonetics	43 (37)	46 (57)	89** (94)
Total	2066 (1895)	1232 (1285)	3298 (3180)
Less numbers appearing in two categories	55 (38)	12 (16)	67 (54)
	2011 (1857)	1220 (1269)	3231 (3126)
IX. Students of other Colleges who attended Inter-Collegiate Lectures	360 (255)	145 (174)	505 (429)
Grand Total	2371 (2112)	1365 (1443)	3736 (3555)

There were 1752 (1702) Students working for Degrees and 572 (590) for Diplomas.

The geographical districts from which the Students came are given in Appendix II.

The total fee revenue for the Session 1933–34 amounted to £80,118 4*s.* 6*d.*, an increase of £2,164 11*s.* 3*d.* as compared with the previous Session.

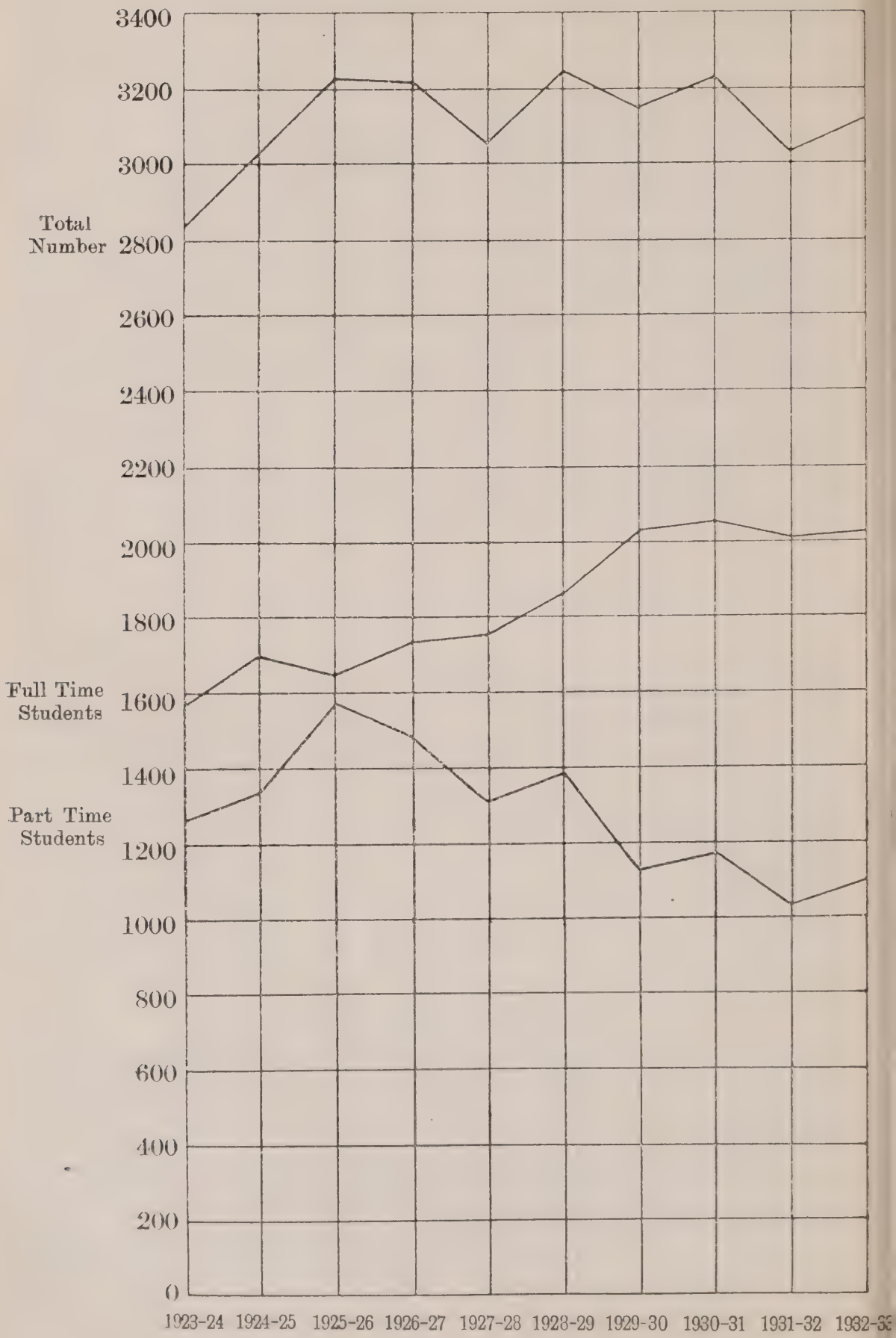
The Current Session (1934–35).

The number of Students who have completed their registration and paid fees up to January 31st, 1935, is 2994, as compared with 3000 at the corresponding date in 1934.

* Figure includes 61 students (50 men and 11 women) also included under III. Faculty of Medical Sciences, and 1 student (man) also included under VI. Postgraduate and Research Students.

** Figure includes 4 students (3 men, 1 woman) also included under I. Faculty of Arts, and 1 student (man) also included under III. Faculty of Medical Sciences.

TOTAL NUMBER OF STUDENTS.



The fee revenue (including fees of London County Council and Board of Education Students) to January 31st, 1935, amounts to £70,165, showing an increase of £833 as compared with the corresponding date in 1934.

In a memorandum prepared by the College Committee for presentation to the University Grants Committee and to the Court of the University early in 1934, summarising the developments of the quinquennium 1930–1935 (see also pp. 30–33), some striking statistics were given, showing the great change that has taken place in the distribution of students as between full-time and part-time. The College Committee think that friends of the College will be interested in seeing the graph illustrating this change during the ten years 1923–1933, which is reproduced on the opposite page.

Commenting on the graph, the memorandum states :—

> " It will be observed that the total number of students has been subject to little or no increase since 1924–25. (The peak year was 1928–29, when 3249 students were registered.) There has, however, been a great change in their distribution. The number of full-time students has increased ; the number of part-time students has greatly diminished. The fees of full-time students are so much greater than those of part-time students, that, although the total number of students decreased from 3249 in 1928–29 to 3126 in 1932–33, the fee revenue increased from £68,330 in the former year to £77,954 in the latter year. This is wholly accounted for by the increase in the number of full-time students ; there has been no raising of tuition fees."

The position in regard to Postgraduate and Research Students is also examined, and is found to show the same tendency. The memorandum continues :—

> " The total number has changed but little in ten years . . . . but . . . . the number of full-time students has risen from 168 to 255 and the number of part-time students has correspondingly diminished . . . . The size and growth of the Postgraduate Schools is a matter of pride to the College. Unfortunately it is also a source of expense. A Postgraduate Student pays only a very small proportion of the cost of his research and supervision."

The rising figures of the sessions 1932–33 and 1933–34, shown above, should be taken in conjunction with this statement.

FINANCE.

GENERAL FINANCES.

Financial Year 1933–34.

The Accounts for the year ended 31st July, 1934, are appended to this Report (Appendix III.).

College Establishment Income and Expenditure Account.

Income.—The ordinary income amounted to £236,449 1*s.* 10*d.* as compared with £230,393 19*s.* 6*d.*, in 1932–33, an increase of £6,055 2*s.* 4*d.* The increase was mainly due to an increase in Fee Income (£2,164) and increased Donations (£1,697).

Expenditure.—The ordinary expenditure amounted to £228,572 14*s.* 8*d.* as compared with £224,582 17*s.* 9*d.* in 1932–33, an increase of £3,989 16*s.* 11*d.* This is mainly due to an increase under Departmental Maintenance, which includes Salaries of Teaching Staff (£2,802).

The excess of ordinary income over ordinary expenditure for the session 1933–34 was therefore £7,876 7*s.* 2*d.* After providing out of this £377 for the Pension Reserve Fund and taking into account extraordinary income not covered by corresponding expenditure, the College was able to add £6,500 to the Accommodation Fund, which is being used to meet capital expenditure required for accommodation, and to carry forward a balance of £546 4*s.* 4*d.* The reason for carrying forward this balance was that in the year 1933–34 a sum of £500 was included in the estimates to cover the cost of introducing a servants' pension scheme. The scheme was not actually introduced until the financial year 1934–35, and the £500 provided has been carried forward to assist towards meeting the capital cost of providing pensions in respect of past service.

General Balance Sheet.

The value of the College lands and buildings has been increased by £25,000 as a result of the completion of the new Zoology building and the consequent alterations of the main buildings. The administration of the University Observatory having been taken over by the University, this has disappeared from the Balance Sheet.

The Trust Funds Balance Sheet total has increased, mainly owing to the investment of surplus dividends (£2,112 11*s.* 3*d.*) and the capital addition of three new Trust Funds :—the Karl Pearson Commemoration Fund, the Lilian Clarke Prize Fund, and the Troughton Fund.

GRANTS AND LOANS TO STUDENTS.

During the Session 1933–34 the following Grants were made :—

	£	s.	d.
Loans from the Madeleine Cole Loan Fund	20	0	0
,, ,, M. J. M. Hill Loan Fund	55	0	0
,, ,, College Loan Fund	125	2	0
Special Fund (Mrs. Wharrie)	50	0	0
Bursaries	297	15	2
Exhibition Bursaries	335	0	0
Special Fee Remissions	319	13	0
	£1,202	10	2

The amount available was not sufficient to meet all the applications that were received.

The list of new donations to the Fund is given in Appendix IV.

Bursaries are gifts towards maintenance ; Exhibition Bursaries are gifts towards fees. These awards are made to promising students whose circumstances are such as to make supplemental aid necessary. They are not, as a rule, given to students in their first year.

Loans are made on the following terms :—

(*a*) Loans during a student's career in the College shall not carry interest.

(*b*) After the end of a student's career in the College the loans shall carry interest at the rate of 5 %, except in respect of the W. W. Rouse Ball Loan Fund, which is free of interest.

(*c*) Loans shall be repaid within three years from the completion of a student's College career, unless, on the special application of the student concerned, an extension of time is granted.

(*d*) Students to whom loans are granted will sign a document accepting these conditions, and in the case of students under age their parents or guardians will countersign the same undertaking.

It has been possible, up to the issue of this Report, to make the following grants for the Session 1934–35 :—

	£	s.	d.
Loans	190	0	0
Bursaries	515	15	0*
Exhibition Bursaries	250	0	0
Special Remission to Third Year Students	215	15	0
	£1,171	10	0

* Including Morris, War Memorial, and Postgraduate Bursaries, and special gift from Mrs. Wharrie.

Loans were repaid during the Session 1933–34 as follows :—

	£	s.	d.
To the College Loan Fund	111	14	2
„ W. W. Rouse Ball Loan Fund	45	15	0
„ M. J. M. Hill Loan Fund	20	0	0
„ Madeleine Cole Loan Fund	22	10	0

The Students' Loan and Bursary Fund is administered by a Committee consisting of the Provost, the Deans, the Tutor to Women Students, and the Sub-Deans.

This Committee deals with each case on its merits and after careful investigation.

The fund is of great value, and enables many students to obtain the training they desire and deserve. At the same time it is not at present large enough to enable the Committee to meet, as fully as they would desire, the needs of all deserving cases.

Friends of the College are specially invited to support it.

THE CRABB ROBINSON FUND.

During the financial year 1933–34, the following grants were made from the Income of the Crabb Robinson Fund :—

The Union Society—towards upkeep of the Athletic Ground, £75 ; towards cost of a new boat for the Rowing Club, £10 ; cleaning of Racquet Court, £6 10*s*. *The Women's Union Society*—towards the Athletic Ground, £75. *University College Hall*—towards the Library, £10 ; towards improvement of the Library accommodation, £40. *College Hall*—towards the Library, £5. *Winifred Smith Memorial Cottage Maintenance Fund*, £10.

The following grants have already been made during the current year, being chargeable against the income of 1934–35 :—

The Union Society—towards the upkeep of the Athletic Ground, £75 ; cleaning of the Racquet Court, £6 10*s*. ; towards cost of a new boat for the Rowing Club, £10. *The Women's Union Society*—towards the upkeep of the Athletic Ground, £75. *University College Hall*—towards the Library, £10 ; towards improvement of Library Furnishing, £15. *College Hall*—towards the Library, £15. *Winifred Smith Memorial Cottage Maintenance Fund*, £10.

THE PEEL FUND.

The income of the Peel Fund was expended in grants for the purchase of books, etc., made to the following Institutions :—

Y.M.C.A., Oldham, £20 ; The Mechanics' Institute, Bishop Auckland ; Perranwell Institute, Cornwall ; The Working Men's Club, Eccles, Maidstone, £5 each.

BENEFACTIONS AND DONATIONS.

The College Committee make grateful acknowledgment of the following gifts :—

In respect of the Session 1933–34 : the sum subscribed annually by the Royal Italian Government through His Excellency the Italian Ambassador for the Department of Italian (£300) ; the sum received from the Trustees of the late Viscount Leverhulme for the Leverhulme Studentships in Chemical Engineering (£1,000) ; the grant from the Chadwick Trustees for the Department of Municipal Engineering and Hygiene (£200) ; the grant from the Cassel Trustees for Language Teaching to Commerce Students (£157 10*s.*) ; and donations towards the Students' Loan and Bursary Fund. (See Appendix IV.)

The sum of £4,000 has been received from the Rockefeller Foundation in respect of the new accommodation for the work in Biophysics under Professor A. V. Hill, which was recorded in last year's Report ; and the sum of £240 in aid of certain research work in the Department of Chemistry.

Under the Will of the late Mr. Leonard Arthur Magnus, a student of the College from 1896 to 1904, who died in September 1924, the College receives net residuary estate amounting to £544, for the purpose of providing a fund to be called " The Barrow Emanuel Fund " for scholarships for " poor male students " in the Faculty of Arts.

Emeritus Professor Karl Pearson has given the sum of £440, presented to him at a dinner held in his honour on 23rd April, 1934 (see p. 92), to form a Karl Pearson Commemoration Fund and to be used as a publication fund for statistical and allied topics. The Karl Pearson Commemoration Fund Committee, whose object was to commemorate his forty-nine years of distinguished service as a professor in University College, have given to the College a duplicate of the bronze plaque of himself that was presented to Professor Pearson on that occasion.

The Eugenics Society have offered an annual subsidy of £300 to the Department of Eugenics in aid of the production of *Annals of Eugenics*, and this has been gratefully accepted.

The late Miss Lilian Jane Clarke, D.Sc., F.L.S., a student of the College from 1887–90 and 1892–94, bequeathed £100 free of legacy duty for the establishment of a prize in Botany. Under the regulations that have been adopted by the College Committee, it will be awarded annually to the most promising Advanced Student and will be given in the form of books or materials.

The Jewish Historical Society have raised a sum of £250 to complete the purchase, for the Mocatta Library, of the library of the late Dr. Hartwig Hirschfeld, a former Goldsmid Lecturer in Hebrew.

The gift of the Trevithick Centenary Commemoration Committee, presented at a ceremony on 23rd April, 1934, is recorded on p. 91. On the same occasion, Captain R. E. Trevithick, a great-grandson of the inventor, gave a water-colour drawing depicting the site, on a part of which the College stands, with circular railroad in use for Richard Trevithick's passenger locomotive experiments in 1808.

The portrait of Emeritus Professor Sir Flinders Petrie, presented by a body of subscribers, is referred to on p. 93.

Professor E. G. Coker, on the occasion of his retirement, made the following gifts to the College :—43 bound volumes of the A. Transactions of the Royal Society, 1885–1914 ; a Torsion Measurer ; a stand with boxes for storing periodicals ; a large screen for lantern projections ; and a cupboard.

For the Department of Archæology gifts of casts of Greek Coins have been received from the Trustees of the British Museum and from Mr. E. S. E. Robinson.

For the Department of English the Rev. Frank Mettrick has given a series of facsimiles of historical and literary importance from the Shoreditch Parish Registers.

Mr. Hanslip Fletcher has given four original drawings for the School of Architecture; and Mr. John Johnson, of the Oxford University Press, through Mr. Theodore Besterman, a collection of book jackets for the Slade School.

The chief gifts to the Library are recorded on pp. 78, 79.

THE COLLEGE SITE AND BUILDINGS.

While it has not been possible, during the year 1934, to proceed with developments in the College buildings at the same rapid pace as in 1933, yet the past twelve months have been by no means idle in this respect. A pause in the scheme for the full use of the Foster Court premises, which must necessarily involve heavy capital expenditure, is inevitable until further funds are available, but certain parts of the buildings have been adapted and occupied.

More research laboratory accommodation for the Department of Physics has been one of the immediately pressing needs of recent years. It has been met by the construction and equipment of a large Junior Physics Laboratory on the ground floor of the western portion of Foster Court, the former Junior Laboratory in the main building being taken over for research work. The separation of the Junior Laboratory from its department can only be a temporary solution of the particular problem, but the excellent new laboratory, so skilfully provided by the Superintendent of Buildings under the direction of Professor Andrade, is a great acquisition to the College (see also p. 33).

From the Rockefeller Zoology and Comparative Anatomy Fund an Animal House for the Department of Zoology has been provided in part of the ground floor of Foster Court.

The northern section of the first floor of the western block of the new territory has been adapted for a cast gallery for the Department of Archæology, the need for which has been impressed upon the College Committee for many years.

It is with special satisfaction that the Committee record that the Superintendent of Buildings and the departments under his charge, on whom so much additional labour has devolved during the developments of recent years, have themselves been provided with new quarters in the ground floor and basement of Foster Court. Sections that have hitherto been scattered and inadequately housed have been brought together and a Works Unit has been created, the result of which will be much saving of time, energy, and expense. The new accommodation includes suitable offices for Mr. Wright and his staff and the College Foreman, spacious shops for the carpenters, electricians, and fitters, much-needed stores, and ample servants' common rooms.

The former office of the Superintendent of Buildings has been converted into two common rooms for members of the Administrative and Library Staffs, one for men and one for women ; and the former Carpenters' Shop has been reconstructed for additional students' rooms.

Improvements in the vicinity of the archway under the Medical Sciences building, which forms the South entrance to the College from Malet Place, have been effected under the direction of Professor Richardson.

The College Portico has been provided with seats.

During the summer the Wellcome Archæological Research Expedition to the Near East were granted temporary accommodation in a portion of Foster Court for use as a laboratory for archæological material collected by the expedition to Tell Duweir, Palestine.

The foregoing tells the story of the past twelve months. As the session 1934–35 marks the end of a quinquennium in respect of which the University Grants Committee give financial aid to the College through the University Court, the College Committee have reviewed the position of those five years in terms of finance. The growth of the College site and buildings has necessarily formed an important part of the quinquennial memorandum already referred to. (See p. 23.)

Here again, extracts from the memorandum may be of interest to friends of the College. The reproduction on the opposite page of a block plan of the buildings as a whole should help them to understand the general plan of these recent developments.

The memorandum states :—

> " The main buildings of the College were erected more than a hundred years ago and the north and south wings more than fifty years ago. Admirably adapted for all the needs of their time, they are now adapted only for certain needs, such as those of the Faculties of Arts and Laws, and even for those Faculties only after considerable structural alterations. A new technique in the Sciences postulates laboratories of a different character, and no adaptation of the old buildings of the College can adequately meet this need. Moreover, the great growth in the number of students during the present century has constantly raised the question of new buildings, and for the reasons stated the new buildings provided have generally been for scientific departments.
>
> " Between 1900 and 1930 new buildings were provided for all the departments in the Faculty of Medical Sciences. There were new buildings also for Chemistry, Engineering, Eugenics, and Architecture. The ever-growing needs of the Faculties of Arts and Laws were met, very inadequately, by using the territory vacated by the scientific departments in the main buildings, two houses in Gordon Square (Arts Annexes I. and II.) and . . . two buildings known respectively as Crabb Robinson and Henry Morley, leased from the Trustees of Dr. Williams's Library.
>
> " The accommodation for the social needs of the students still remained as inadequate as that for the teaching work of the Faculties of Arts and Laws.
>
> " Such was the position in 1930, and the only hope of improvement lay in the building of a new Department of Zoology and the occupation by the Faculty of Arts of the territory vacated in the main building . . . At this point the College experienced a great stroke of fortune. By the liquidation of Messrs. Shoolbred, a site of two acres, known as Upper Gower Mews, immediately to the south of the College, came into the market."

The memorandum then shows how the Carnegie United Kingdom Trustees became the allies of the College Committee in their ambitious scheme for securing the Shoolbred property, by purchasing a large part of the western portion for the purposes of the National Central Library and the Library Association ; how, with the aid of a capital grant of £30,000 from the University Court and (by permission of the Court) the sale of certain investments and an overdraft at the bank, the purchase of the remaining portion (with

BLOCK PLAN OF UNIVERSITY COLLEGE, LONDON

1827. Main Buildings.
Ground Floor:
Administration.
Refectory.
Union Societies.
First & Second Floors:
Faculty of Arts.
Libraries.

1847. Physics (Birkbeck Laboratory).

1849. Ground Floor:
Physics.
First Floor:
General Library.

1865. Racquets & Fives Courts.

1869–74. South Wing.
Ground Floor:
Administration.
Women's Union Society.
First Floor: Geology.
Second Floor: Psychology.
Also Faculty of Engineering.

1871–81. North Wing.
Ground Floor & First Floor: Slade School of Fine Art.
Second Floor: Botany.

1879. Gymnasium.

1894. (Gower Street).
Ground Floor:
Faculty of Engineering.

1894. Physics.

1909. Physiology & Bio-Chemistry.

1912. Pharmacology.

1912–13. (Gower Street) Architecture.

1912–13. (Gower Place) Chemistry.

1913–14. Statistics & Eugenics.

1921. (Gordon Square) Faculty of Arts.

1921. Carpenters' Shop.

1922. (Gordon Square) Faculty of Arts.

1922. (Gower Street)
First & Second Floors:
Faculty of Engineering.

1923. Anatomy & Embryology.

1927. Great Hall.

1928. Faculty of Arts.

1928. (Gordon Square) Faculties of Arts & Laws.

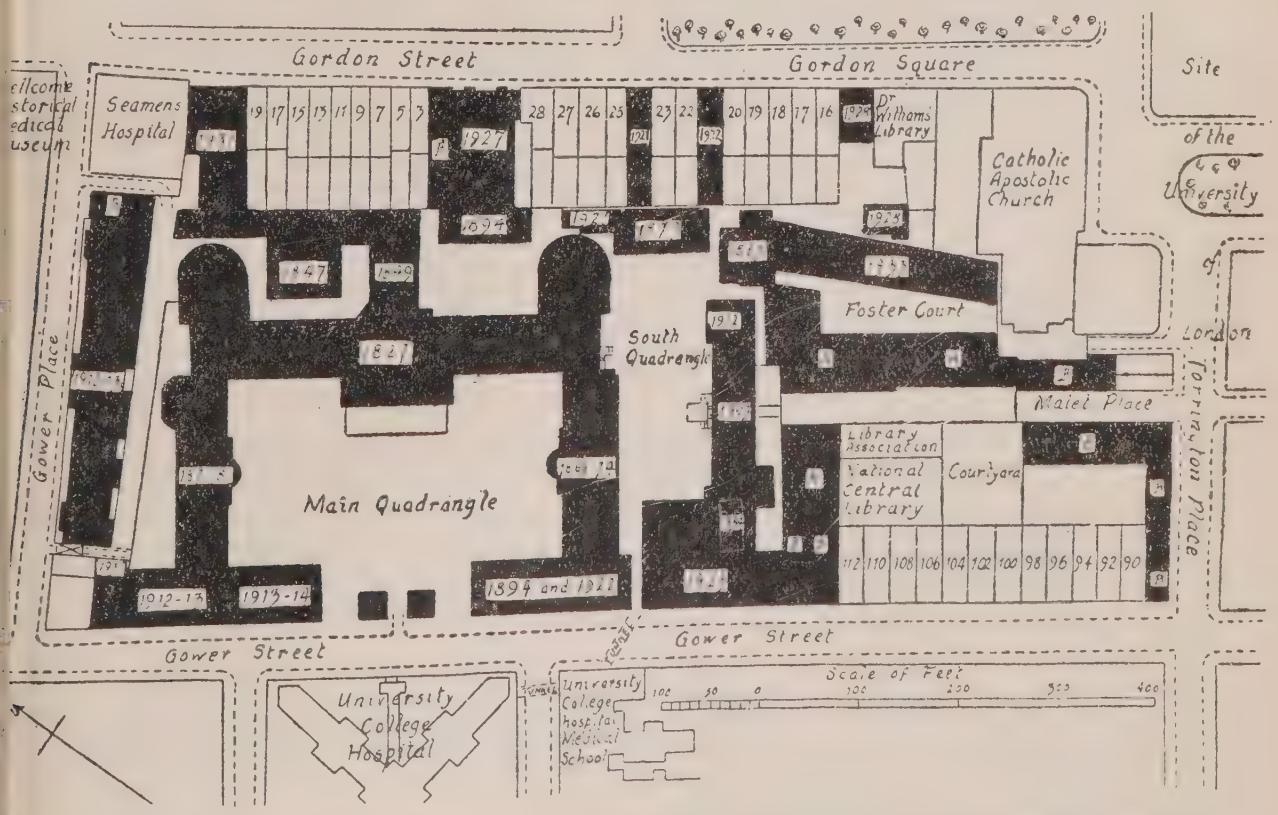
1931. Architectural Atelier.
Animal House (Eugenics).

1931. (Gordon Street) Chemical Engineering.

1933. Zoology.

1934. Biophysics.

The dates are those of the erection or of the occupation of a building.



Territory marked **A** is Foster Court, acquired in 1931, which will be occupied by Botany, Geology, Geography, Political Economy and Archæology, when capital sums are available for development.

Territory marked **B** is the freehold or leasehold property of the College at present let and not intended at any early date for use for academic purposes.

a floor area of 100,000 sq. ft.) for College purposes was effected and the new Department of Zoology was formed; and how the territory in the main building vacated by Zoology was adapted and equipped for the Faculty of Arts and the Libraries. The details of this story are to be found in the Annual Reports of 1932, 1933, and 1934.

To quote again from the memorandum :—

"By the end of the Long Vacation of 1933 all the work in question had been completed. The Department of Zoology was excellently housed in new buildings, with full accommodation for the development of the new researches made possible by the Rockefeller Foundation benefaction of £88,000. The Faculty of Arts and the Libraries were better housed than at any previous time in the history of the College. The ambition of the College to provide a private room for every Professor and every Reader was very nearly realised. Every member of the Staff, even the most junior, has at least a share in a private room, and, except where the rooms are of substantial size, the share is with one other person only.

"The financial position was also satisfactory. In 1930 the College instituted an Accommodation Fund. Owing to the unexpected increase in the fee revenue, it proved possible to make allocations to the Fund on a greater scale than had been anticipated. As a result, in 1932 and 1933 the overdraft of £10,000 sanctioned by the Court was paid off.

"At the opening of the year 1933–34 the only free money remaining in the Accommodation Fund was £828, and no provision could be made in the Estimates for 1933–34 for any fresh allocation to the Fund in that year. Only a further increase in the fee revenue or a grant from public funds will make possible the building up of this Fund on a scale sufficient to justify any further development of the new territory.

"In the meantime plans have been drawn up, and estimates made, for the occupation of the residue of Foster Court. It has been determined that the Departments of Botany and Geology shall move there from the main buildings, that the Departments of Geography and Political Economy shall move there from Arts Annexe II., that a library for the Departments in Foster Court shall be provided, that Physiology shall receive a small piece of the territory, and that the College workshops (now most inadequately housed in various parts of the College) shall be concentrated in the basement.

"The estimated capital cost is £43,000, and the estimated maintenance cost £2,321 per annum.

"The setting free of territory vacated by the Departments of Botany and Geology would make possible the further

improvement of the accommodation of the Faculty of Arts, the provision of much-needed additional space for the Library Book-store, and an extension (now urgently necessary) of the Department of Electrical Engineering.

"If the proposal were carried through, Physics alone of the scientific departments would remain in the main buildings. Physics is at present housed in a miscellaneous collection of buildings, of which the newest is forty years old. The research laboratory is so small that it is inconveniently crowded when there are six research students, ... and the staff have the most limited facilities for research; two only have private rooms. The present accommodation compares most unfavourably with that of almost every institution of comparable standing. A site is available (the old Birkbeck Laboratory) north of the General Library, and the re-building of Physics on that site is a most desirable step.

"The estimated cost of a new building . . . . is £75,000.

"The setting free of the old Physics accommodation would at last enable the College to make proper provision for student life in the College. . . .

"The College Committee see no prospect of raising these large capital sums except by way of fresh benefactions or grants from public funds. Allocations to the Accommodation Fund, even if the College enjoyed still greater prosperity than it has enjoyed during the last five years, could not provide the necessary capital for many years. . . . .

"These, in the view of the College, are the measures urgently necessary to enable the College to preserve its rightful place in the Universities of Great Britain. They represent the completion of the programme of consolidation entered on four years ago. They are not new developments."

In thus envisaging big projects for a future that they cannot but hope will not be too far distant, the College Committee would again emphasise their sense of what it has proved possible to do in the immediate past and their profound gratitude for the help that has been forthcoming. With so much already done, they are confident that the rest will follow.

PERSONALIA.

DEATHS.

Professor Wellesley Curram Clinton.

By the death, on 18th August, 1934, of Professor Wellesley Curram Clinton, Pender Professor of Electrical Engineering, the College has lost a loyal and valued friend, whose place in its daily life will never be quite filled. Most of his own life had been spent

within its walls. After completing his student course and graduating B.Sc., he was appointed, in 1894, a Demonstrator in Electrical Engineering, eventually becoming, in 1906, Assistant Professor under Sir Ambrose Fleming, whom he succeeded in the Pender Chair in 1926. He was elected a Fellow of the College in 1920. His devotion to the best interests of his department and its students did not prevent him from participating in the wider affairs of the College community. He served his Faculty as Sub-Dean for many years, was a Past Master of the Guild of Graduates and had, just before his death, been elected a Vice-President of the Old Students' Association.

He was, at the time of his death, a representative of the Professorial Board on the College Committee and the Managing Sub-Committee, and rendered invaluable services to those bodies as Consulting Electrical Engineer when the many electrical problems which arose in connection with the recent development of the College buildings had to be solved.

An entire lack of self-seeking, a singular modesty, and a high standard of duty were among his outstanding characteristics.

At a Special Meeting held on 8th October, 1934, the Professorial Board endeavoured to express their affectionate appreciation of him in the terms of the following resolution :—

> That the Professorial Board has heard with deep regret of the death during the Long Vacation of Professor W. C. Clinton, and desires to place on record its profound sense of the loss which the Board itself and the College as a whole have suffered by his untimely death. Professor Clinton had served the College faithfully and well for forty years, first as Demonstrator, then as Assistant Professor, and, lastly, since 1926, as Professor of Electrical Engineering. During that time he won alike the esteem and the affection of all his colleagues. A man of marked integrity of character he placed his services unreservedly at the disposal both of his students and of his colleagues. Singularly modest as to his own gifts and attainments, he was a wise counsellor in the business of the Faculty of Engineering and a much valued representative of this Board in the counsels of the College as a whole.
>
> The Board desires to assure Miss Clinton of its deep sympathy in the great loss which has befallen her.

The Managing Sub-Committee, at their meeting on 10th October, 1934, resolved :—

> That the Managing Sub-Committee desire to record their sense of the great loss which they have sustained by the death of Professor Clinton. During his membership the Committee enjoyed in full measure the benefit of his great experience,

of his wise judgment, and of his sympathetic relations with public bodies. For many years he advised the College professionally as Consulting Electrical Engineer, and every Department of the College has profited by his skill and care. Conscientious and modest in a marked degree, he carried out unobtrusively from year to year a great volume of important work for the College. The Committee desire to express their sympathy to Miss Clinton in her loss.

Members of the College who attended the funeral on 22nd August included Professor E. G. Coker, Professor M. T. Ormsby, Dr. H. E. M. Barlow, Mr. C. W. Bayliss, and the Secretary (Mr. C. O. G. Douie). (See also p. 63.)

Emeritus Professor Alexander Falconer Murison.

The death on 8th June, 1934, of Emeritus Professor A. F. Murison, K.C., removed a familiar figure of the past, and one who played an important part in the counsels of the College during his long active connection with it. The high position to which he had attained in the estimation of his colleagues, by reason of his scholarship and sterling character, and the great services he had rendered are shown in the following resolution of the Faculty of Laws, passed at their meeting on 21st June, 1934 :—

> That the University College Faculty of Laws desire to place on record the deep sorrow with which they have learnt of the death of Emeritus Professor Alexander Falconer Murison, and their sense of the great services that he rendered to the College and University. During the long years of his tenure of the Chairs of Roman Law (1883 to 1925) and Jurisprudence (1901 to 1925) he worked for the best interests of the Faculty with a devotion and a lack of self-interest that characterises true greatness. It was during that time that the Faculty first achieved a separate existence, its union with the Faculty of Arts being dissolved in 1908. The foundations were then laid for the remarkable developments and growth of recent years that have resulted from the tripartite arrangement for Law teaching within the University at University and King's Colleges and the London School of Economics. In all these matters Professor Murison's wise counsel and guidance were of inestimable value. He held the office of Dean of the College Faculty during the twelve consecutive sessions 1912–13 to 1923–24. He was Dean of the University Faculty from 1914–15 to 1917–18, and a member of the University Senate from 1921 to 1924. He also acted as Deputy Professor of Roman-Dutch Law from 1914–15 to 1923–24. His extraordinary breadth of outlook, his wide scholarship, his own writings, both on legal matters

and on the history of his native land, his remarkable translations from the Classics and from many of the modern European languages, have gained for him a distinction shared by the College of which he was such an honoured member. His high standing in the legal world was evidenced by the rare honour of his appointment as King's Counsel after his retirement, and the esteem in which he was held in the University was marked by the conferment on him, in 1925, of the title of Emeritus Professor. The Faculty desire also to express to the members of Professor Murison's family their sincere sympathy in the heavy loss that they have sustained.

PROFESSOR JAMES EDWARD GEOFFREY DE MONTMORENCY.

News of the death, on 9th March, 1934, of Mr. J. E. G. de Montmorency, Quain Professor of Comparative Law from 1920 to 1932, was received at the College with deep regret. His vital personality and wide interests had made him a well-known member of the community, and his keen interest in the College as a whole had won for him friends in all departments.

He had been Dean of the Faculty of Laws during the period 1926–30 and had served on the College Committee as one of the representatives of the Professorial Board.

The College Committee, at their meeting on 27th March, 1934, associated themselves with the following resolution passed by the Professorial Board on 20th March :—

> That the Professorial Board has heard with deep regret of the death of Professor J. E. G. de Montmorency, sometime Quain Professor of Comparative Law at the College. Professor de Montmorency stood high in the esteem and affection of his colleagues. His wide interests, legal, literary, and historical, secured for him their high esteem. His genial kindness readily won their affection. The Board extends its very sincere sympathy to Mrs. de Montmorency and her family.

The College Committee also record with deep regret the death of the following persons connected with, or concerned in the work of the College :—

Sir James Carmichael ; Donor to the Centenary Fund ; Governing Director of Messrs. James Carmichael, Ltd., Contractors for the Physiology, Pharmacology, and Anatomy buildings. [9th April, 1934.]

Emeritus Professor A. P. Chattock (University of Bristol) ; Student 1879–84. [1st July, 1934.]

Rabbi Francis Leon Cohen, President of the Jewish Ecclesiastical Court of New South Wales ; Student 1879–86. [26th April, 1934.]

The Hon. John Collier, Artist ; Student 1871–76. [11th April, 1934.]

Sir John Coode-Adams ; Student 1874–78. [10th April, 1934.]

Mr Roger Fry, Slade Professor of Fine Art of the University of Cambridge ; a former Lecturer in the History of Art. [9th September, 1934.]

Mr. L. Goodban ; Student 1902–1911 ; a voluntary worker for the Centenary Appeal. [3rd February, 1934.]

Sir James William Greig, formerly Commanding Officer of the London Scottish ; Student 1876–83. [10th June, 1934.]

Dr. Francis Llewellyn Griffith ; Assistant Professor of Egyptology 1892–1901. [14th March, 1934.]

Miss A. M. Heather-Bigg ; Student 1874–81 ; First woman Joseph Hume Scholar in Political Economy. [27th March, 1934.]

The Rt. Rev. Dr. J. E. Hine, former Bishop of Grantham, Assistant Bishop in the Diocese of Lincoln ; Student 1875–81. [9th April, 1934.]

Mr. Otto Kahn ; Donor to the Chair of American History ; Hon. Treasurer of the American Committee. [29th March, 1934.]

Mrs. Arthur Lawford (*née* Margaret Gregory Foster) ; elder daughter of the first Provost of the College, the late Sir Gregory Foster, Bt. ; Student 1914–18. [21st November, 1934.]

Sir Robert McCall ; Member of the College Committee from 1921 to 1927. [6th April, 1934.]

Dr. Stanley Melville, a pioneer of Radiology ; Student 1890–93. [6th April, 1934.]

Dr. William Page, former General Editor of ' The Victoria County History ' ; Lecturer in British Archæology 1923–24. [3rd February, 1934.]

Dr. Theophilus G. Pinches ; Lecturer in Assyriology 1904–28. [6th June, 1934.]

Mr. A. Beresford Pite, former Professor of Architecture at the Royal College of Art ; Student 1879–81. [27th November, 1934.]

Mrs. A. F. Pollard ; a voluntary helper in the Library for many years. [2nd June, 1934.]

Professor O. H. P. Prior, University of Cambridge ; Lecturer in Anglo-Norman 1919–20. [18th July, 1934.]

Sir Stephen George Sale ; Student 1870–74. [15th June, 1934.]

Dr. Dukinfield Henry Scott ; Honorary Fellow ; Assistant Professor of Botany 1882–86. [29th January, 1934.]

The Rt. Hon. Lord Justice Scrutton ; Fellow ; Professor of Constitutional Law and History 1883–89. [18th August, 1934.]

Mr. H. Wesley Voysey ; Superintendent of the College Buildings 1913–1930. [2nd May, 1934.]

Mr. W. G. Whiffen ; Donor to the Centenary Fund. [28th April, 1934.]

The College Committee also wish to record the keen regret with which they learned of the death, on 5th June, 1934, of Sir Walter Buchanan Riddell, Bt., and their appreciation of the high qualities that he displayed as Chairman of the University Grants Committee. The College, in common with other University institutions, was deeply indebted to him for the interest and care which he brought to his responsible task.

HONOURS AND APPOINTMENTS.

Past and Present Students and Other Persons connected with the College.

The following are among the Honours and Appointments of which information has been received :

King's Birthday Honour, 1933 :

Professor G. Elliot Smith.

It was a source of considerable pleasure and gratification to the whole College community to learn that His Majesty The King had recognised the great work and world-wide reputation of Professor Grafton Elliot Smith, who has occupied the Chair of Anatomy since 1919, by conferring upon him the honour of Knighthood.

New Year Honours, 1935 :

Dr. Edwin Deller.

The College has special reason for sharing in the general satisfaction felt throughout the University on the Knighthood conferred upon the Principal, Dr. Edwin Deller, in recognition of his great services to the cause of University Education. Dr. Deller was a student of the College in the Faculty of Laws and was elected a Fellow in 1924.

The following further names appear in the New Year list :—

Sir Josiah Stamp (Newmarch Lecturer in Statistics, 1919–21, 1923)	G.C.B.
Major-General George Fleming (Former Student).	C.B. (Military Division).
Mr. Ebenezer Thomas Ward (Former Student) .	C.B.E.
Mr. Harold Eldric Hypher (Former Student) ..	M.B.E.

Acomb, Mr. H. W. (Former Lecturer, Cataloguing and Indexing).	Librarian, University of Durham.
Amos, Professor Sir Maurice Sheldon.	Dean of the University Faculty of Laws, 1934–36.
Ashby, Mr. A. B. (Member of the College Committee).	Master of the Worshipful Company of Drapers.
Bartlett, Mr. M. S. (Former Assistant Lecturer, Statistics).	(i.) Rayleigh Prize, University of Cambridge. (ii.) Statistician, Imperial Chemical Industries Experimental Station for Agricultural Research.
Baynes, Professor Norman.....	(i.) Honorary Degree of D.D., University of St. Andrews. (ii.) Member of the Council of the British Academy.
Behrens, Miss Catherine (Former Student).	Assistant Lecturer in History, Bedford College.
Besant, Mr. A. Digby (Fellow; Joint-Treasurer).	Member of the Unemployment Insurance Statutory Committee.
Bolton, Dr. J. S. (Fellow).....	(i.) Honorary Degree of D.Sc., University of Leeds. (ii.) Lumleian Lecturer, 1935, Royal College of Physicians.
Borenius, Professor Tancred	(i.) Commander of the Royal Order of St. Sava, Jugoslavia. (ii.) *Conseiller d'honneur* of the *Chambre Internationale des Experts d'Art*, Paris. (iii.) *Associé étranger correspondant* of the *Société Nationale des Antiquaires de France.*
Brady, Dr. O. L. (Reader in Organic Chemistry).	Member of the University Senate.
Brandin, Professor L. M.	President, *Société des Anciens Texts Français*, 1933–34.
Briggs, Miss Olive Vernon (Former Student).	Essay Prize of the Royal Institute of British Architects.
Brogan, Mr. D. W. (Former Lecturer, English History).	Fellow and Tutor in Modern History, Corpus Christi College, Oxford.
Cattell, Dr. R. B. (Former Student).	Psychologist to the Leicestershire Education Committee.

Cave, Mr. A. J. E. (Senior Demonstrator, Anatomy).	Assistant Conservator of the Museum of the Royal College of Surgeons.
Clark, Professor A. J. (Chair of Pharmacology, 1919–1926).	Member of the Medical Research Council.
Coker, Dr. E. G. (Chair of Civil and Mechanical Engineering, 1914–1934).	Title of Emeritus Professor.
Collins, Mr. H. J. (Assistant Professor, Civil & Municipal Engineering).	Member of the Institutions of Civil and Mechanical Engineers.
Constable, Professor W. G. (Former Student).	Slade Professor of Fine Art, University of Cambridge.
Cowan, Mr. S. L. (Former Honorary Research Assistant, Department of Physiology and Biochemistry).	Junior Beit Memorial Fellowship.
Crockett, Mr. G. A. (Atelier Student).	Medal in Eustache-Rougevin Competition between students of French and British schools.
Crowden, Dr. Guy (Former Student and former Member of Staff of Department of Physiology and Biochemistry).	Title of Reader in Industrial Hygiene in respect of his position at the London School of Hygiene and Tropical Medicine.
Cundall, Mr. Charles (Former Student).	Member of the Royal Society of Portrait Painters.
Devenish, Mr. E. A. (Former Student)	Fellow of the Royal College of Surgeons.
Eccles, Dr. W. H. (Former Reader in Graphics).	Fellow of the Imperial College of Science and Technology.
Elwes, Mr. Simon (Former Student).	Member of the Royal Society of Portrait Painters.
Entwistle, Dr. W. H. (Former Student).	Lecturer in Educational Psychology, Queen's College, Belfast.
Evans, Professor C. Lovatt	Honorary Degree of LL.D., University of Birmingham.
Fawcett, Professor C. B.	President of Section III, (Human Geography) of the International Geographical Congress, Warsaw, 1934.
Filon, Professor L. N. G.	Re-elected Vice-Chancellor of the University for the year 1934–35.
Gardner, Dr. Edmund G. (Chair of Italian, 1925–1934).	Title of Emeritus Professor.
Garstang, Mr. T. E. (Former Assistant, Applied Mathematics)	Lecturer in Applied Mathematics, University College, Aberystwyth.
Gibb, Sir Alexander (Fellow; Member of College Committee).	Additional Member of Royal Fine Art Commission.
Goldby, Mr. F. (Former Senior Demonstrator, Anatomy).	(i.) Fellow of Queens' College, Cambridge. (ii.) University Lecturer in Anatomy, University of Cambridge.
Gray, Dr. A. M. H. (Fellow)	Dean of the University Faculty of Medicine, 1934–36.

Griffiths, Mr. G. D. (Former Student).	Alfred Bossom Travelling Studentship (Architecture). (Gold Medal and £250.)
Griffiths, Miss Ruth (Former Student)	Research Assistant, Burden Mental Trust.
Hall, Mr. H. W. (Former Student)..	Demonstrator in Anatomy, University of Cambridge.
Hall, Mr. N. F. (Senior Lecturer in Economics and Head of Department).	(i.) Member of Research Committee of the Royal Institute of International Affairs on International Currency Problems. (ii.) Member of Committee appointed by the Halley Stewart Trustees to report upon research into social conditions. (iii.) Chairman of the London District Trade Committee of the Retail Bespoke Tailoring Trade Board, (iv.) Deputy Chairman of the Lace Finishing Trade Board.
Harmer, Sir Sidney (Fellow)	Gold Medal of the Linnean Society, for services to Zoology.
Hartley, Mr. H. (Former Student) ..	(i.) Lecturer in Agricultural Economics, Avoncroft College, Evesham. (ii.) Member of staff of Extra-Mural Department, University of Bristol.
Haward, Mr. B. (Former Student)..	Asphitel Prize, 1933, awarded by the Royal Institute of British Architects to the student heading the list in their Final Examination.
Heath, Sir Frank (Fellow)	Member of the Governing Body of the Imperial College of Science and Technology.
Hill, Professor A. V.	(i.) Honorary Degree of D.Sc., University of Oxford. (ii.) Honorary Degree of D.Sc., University of Manchester.
Hill, Sir George F. (Fellow)	Member of the Council of the British Academy.
Hocart, Mr. A. M. (Former Honorary Lecturer in Ethnology).	Professor of Sociology, Egyptian University, Cairo.
Hughes, The Rev. Principal T. Hywel (Former Student).	Honorary Degree of D.D., University of Edinburgh.
John, Mr. Augustus (Fellow)	President of the Royal Academy of Wales.
Lee, Lieut.-Colonel A. G. (Former Student).	Vice-President of the Institution of Electrical Engineers.
Lewis, Mr. A. N. (Former Student) .	Member of the Royal Society of Portrait Painters.
Lewis, Sir Thomas (Fellow)	Honorary Degree of D.Sc., University of Liverpool.
Lourie, Mr. E. M. (Former Student).	Junior Beit Memorial Fellowship.

Marden, Mr. H. H. (Former Student).	Acting Chief Civil Engineer to the Anglo-Persian Oil Company at Abadan, Persia.
Martin, Mr. E. K. (Fellow).....	Erasmus Wilson Lecturer of the Royal College of Surgeons, 1935.
Mason, Mr. A. H. (Former Student).	Member of the Royal Society of Portrait Painters.
Meston, The Rt. Hon. Lord (Honorary Fellow: Vice-Chairman of College Committee).	(i) Medal of the Royal Scottish Geographical Society "in recognition of his long and valuable services to the Government of India." (Presented by H.R.H. The Duke of York at the Jubilee Celebrations of the Society, Edinburgh, October 1934.) (ii.) President of the Geographical Association.
Miller, Miss Ellen (Former Student).	Assistant Education Officer, Dorsetshire.
Montrose, Mr. J. L. (Former Student).	Professor of Law, University of Belfast.
Morrison, Mr. D. E. (Student)	British Institution Scholarship in Architecture.
O'Donoghue, Professor C. H. (Fellow; former Senior Assistant, Zoology).	President of the Royal Physical Society of Edinburgh.
Offord, Dr. A. C. (Former Student; Demonstrator in Mathematics).	Keddey Fletcher-Warr Studentship.
Pearson, Emeritus Professor Karl...	(i.) Honorary Degree of D.Sc., University of London. (ii.) Heath Clark Lecturer, 1935.
Peerbhoy, Mr. A. A. (Former Student).	Langdon Medal, Final Bar Examination, June 1934.
Pendleton, Mr. O. W. (Former Assistant Librarian).	Librarian, Chartered Insurance Institute.
Philpott, Dr. S. J. F. (Lecturer, Psychology).	(i.) Secretary for Section J (Psychology), British Association Meeting, 1934. (ii.) Member of General Committee of the British Association.
Pinard, Dr. J. W. (Former Student).	Lecturer in Psychology, King's College for Women.
Pittock, Mr. F. (Laboratory Assistant, Department of Anatomy and Embryology).	Rodman Medal of the Royal Photographic Society, for his photographic and photo-micrographic work.
Pollard, Dr. A. F. (Chair of English History, 1903–1927; Constitutional History, 1927–1931).	Honorary Degree of D.Lit., University of London.
Rankine, Professor A. O. (Fellow; former Assistant, Physics).	Fellow of the Royal Society.
Ray, Mr. K. (Former Student)	Silver Medal of the Institution of Structural Engineers.

Richards, Mr. P. W. (Former Student).	Fellow of Trinity College, Cambridge.
Robinson, Professor Robert (Chair of Organic Chemistry, 1928–1930).	Honorary Degree of LL.D., University of Edinburgh.
Rothenstein, Dr. J. K. M. (Former Student).	Director of the City Art Galleries and Ruskin Museum, Sheffield.
Rothenstein, Sir William (Former Student).	(i). Honorary Degree of D.Lit., University of Oxford. (ii.) Romanes Lecturer, University of Oxford, 1934.
Rutherston, Mr. Albert (Former Student).	Associate of the Royal Society of Painters in Water Colours.
Saurat, Professor Denis (Former Student).	*Chevalier de la Légion d'honneur.*
Seckler, Miss Lilian (Former Student).	Assistant Lecturer in History, King's College, London.
Shattock, Mr. C. E. (Former Student).	Erasmus Wilson Lecturer of the Royal College of Surgeons, 1935.
Sickert, Mr. R. (Former Student)...	Royal Academician.
Simmins, Miss Constance (Honorary Research Assistant, Psychology).	Senior Psychologist, Institute of Medical Psychology.
Sisson, Professor C. J.....	Dean of the University Faculty of Arts, 1934–36.
Spencer, Emeritus Professor Herbert.	Honorary Degree of LL.D., University of Aberdeen.
Thompson, Mr. F. Longstreth (Former Student ; former Lecturer to Town Planning Students).	Member of Aerodromes Advisory Board.
Trapp, Mr. C. S. (Former Student)..	Engineer and Surveyor to the Wembley and Kingsbury Urban District Council.
Trotter, Mr. Wilfred (Fellow ; Member of College Committee).	(i.) Honorary Degree of D.Sc., University of Liverpool. (ii.) Vice-President of the Royal College of Surgeons.
Turquet, Madame G. (Former Student).	University Professor of French Language and Literature, Bedford College.
Verney, Dr. E. B. (Chair of Pharmacology, 1926–1934).	Sheild Reader in Pharmacology, University of Cambridge.
Walker, Miss Ethel (Former Student).	Member of the Royal Society of Portrait Painters.
Warriner, Dr. Doreen (Assistant Lecturer, Economics).	Member of Research Committee of Royal Institute of International Affairs on Unemployment as an International Problem.
Watson, Professor D. M. S.	(i.) James Arthur Lecturer of the American Museum of Natural History, 1934. (ii.) Lyell Medal of the Geological Society "in recognition that he has 'deserved well of the Science' in the fields of Palæontological and Stratigraphical Geology."

Wheeler, Dr. R. E. Mortimer (Fellow; Lecturer, British Archæology).	(i.) Commander of the Venerable Order of St. John of Jerusalem. (ii.) Honorary Director of University of London Institute of Archæology.
Williams, Mr. C. H. (Former Reader in Constitutional History).	University Professor of History, King's College, London.
Wright, Dr. G. Payling (Former Percy F. Macgregor Scholar).	Sir William Dunn Professor of Pathology, Guy's Hospital Medical School.
Young, The Rt. Hon. Sir Hilton (Honorary Fellow).	Honorary Degree of D.C.L., University of Durham.
Zuckerman, Mr. S. (Former Demonstrator, Anatomy).	Junior Beit Memorial Fellowship.

ACADEMIC STAFF AND WORK.

THE ACADEMIC STAFF.

Faculty of Arts.

At the end of the Session 1933–34, Professor Edmund G. Gardner retired from the Chair of Italian, which he had occupied with such distinction since 1923. His first connection with the Department, as Barlow Lecturer on Dante, goes back to 1910. On 3rd July, 1934, the College Committee associated themselves with the following resolution passed by the Professorial Board on 26th June :—

> That the Professorial Board desire to place on record their sense of deep regret at the retirement under the age limit of Professor Edmund Gardner. Professor Gardner was Reader in Italian from 1918 to 1920, and has held the Chair since 1923. By his work as a teacher and scholar he has added yet further distinction to a Chair which, since the time of Sir Antonio Panizzi, has been held by many eminent men. Professor Gardner carries with him into his retirement the admiration and love of all his colleagues, and they hope that he may have many years of health to devote to his varied interests. They are glad to know that, as Barlow Lecturer on Dante, Professor Gardner will remain a member of the College staff.

The College Committee regret to report that, after delivering the Barlow Lectures in the First Term, the state of Professor Gardner's health made it advisable for him to relinquish the Lectureship.

Dr. Camillo Pellizzi, who has been a member of the staff of the Department of Italian since 1920, since 1930 as Reader, and who has earned for himself a high place in the field of Italian Studies and among his colleagues at the College, has been appointed to succeed Professor Gardner.

Dr. E. A. Baker, Director of the School of Librarianship since 1919, also retired at the end of last session. The College Committee and

Professorial Board associated themselves with the following resolution adopted by the School of Librarianship Committee on 19th June, 1934 :—

> That the School of Librarianship Committee, realising that this will probably be their last meeting during Dr. E. A. Baker's tenure of the office of Director of the School of Librarianship, desire to place on record their regret that the time will shortly come for the severance of his active connection with the School. They recognise that his initiative and enthusiasm for the scheme of a University School of Librarianship played an important part in the negotiations between the University and the Library Association, which resulted in the foundation of the School in 1919. As its first Director, he has been responsible for its safe conduct through the early years that were so important to its future. It was a new branch of University enterprise in this country, and modifications and developments, requiring expert knowledge of the special problems, had to be made to meet needs as they became known. Every possible step had to be taken to promote the welfare of the new School and to place it on a firm footing. The success that has been achieved in this direction is a tribute to Dr. Baker's energy and devotion to the interests of the School and to his qualities as its Director.
>
> The large number of Students who have passed through the School will remember him with gratitude. The sturdy growth of a Librarianship Old Students' Association is evidence of the way in which a spirit of comradeship has been fostered among them and of the interest taken in their after careers.
>
> The organisation and successful conduct of Vacation Schools in many centres of Library interest on the Continent has been a piece of extra service which Dr. Baker has willingly imposed upon himself.
>
> The School of Librarianship Committee desire to express to Dr. Baker their appreciation of the valuable services that he has rendered and their earnest hope that he will have many years of health and strength in which to enjoy greater leisure for the pursuit of his wide literary and other interests.

Mr. John D. Cowley, M.A., formerly County Librarian of Lancashire and Chairman of the County Libraries Section of the Library Association, has succeeded Dr. Baker as Director. Mr. H. W. Acomb resigned the Lectureship in Cataloguing and Indexing in the School of Librarianship at the close of 1933–34, to take up the office of Librarian of the University of Durham. His successor has not yet been appointed.

The Senate have conferred the title of Reader in Architecture on Mr. H. O. Corfiato, and that of Reader in English Literature on Dr. Edith C. Batho, both being formerly Senior Lecturers.

The Department of History has again had important changes in its staff. Mr. C. H. Williams, Reader in Constitutional History, resigned at the end of 1933-34, on his appointment to the University Chair of History at King's College. Mr. Walter Adams resigned the office of Tutor to the Students of the Evening School, in view of the increasing demands made by his work as General Secretary of the Academic Assistance Council. Dr. G. J. Renier has been appointed Lecturer and has succeeded Mr. Adams as Tutor ; and Mr. N. H. Gibbs has been appointed Assistant Lecturer.

Dr. Edgar Wind, formerly of the Warburg Institute and the University of Hamburg, has been appointed Honorary Lecturer in Philosophy, and Miss Feodora Leontinoff Assistant Lecturer.

Dr. G. B. Barbour has been appointed Honorary Lecturer in Geography.

Miss Elinor J. Vaughan, Lecturer in Classics, resigned at Christmas, in view of her approaching marriage. Mr. M. L. Clarke has been appointed Assistant Lecturer from the opening of the Second Term.

Miss S. Lund, Senior Assistant in Phonetics, resigned at the end of last Session.

Mr. J. A. Rosevear has succeeded Mr. Longstreth Thompson, resigned, as Special Lecturer on Surveying in its relation to Town Planning.

Mr. V. Polunin, who has taught Stage Painting in the Slade School for several years, has been granted the title of Assistant.

Further new appointments have been made as follows :—

	Status.	*Department.*
Miss Elizabeth Bigg-Wither	Assistant Lecturer.	Italian.
Miss Zona Cone	Demonstrator.	Mathematics.
Dr. O. Edwards	Assistant Lecturer.	German.
Mr. L. W. F. Elen	Demonstrator.	Mathematics.
Mr. D. B. Fry.....	Assistant Lecturer.	Phonetics.
Mr. G. W. Meldrum	Assistant.	Slade School.
Mrs. M. W. Windett	Honorary Research Assistant.	Political Economy.
Dr. J. S. Wood	Assistant.	French.

The following changes of title have been adopted (the former status is given in brackets) :—Mr. J. W. Archbold (Assistant Lecturer), Lecturer, Mathematics ; Mr. H. Barger (Assistant Lecturer), Lecturer, Political Economy ; Miss E. Chapallaz (Assistant), Research Assistant, Phonetics ; Miss Eileen Evans (Assistant) Assistant Lecturer, Phonetics ; Dr. R. Niklaus (Assistant), Assistant Lecturer, French ; Dr. Constance Rigby (Assistant Lecturer), Lecturer, Mathematics ; Mr. G. Tillotson (Assistant Lecturer), Lecturer, English.

Dr. M. A. Thomson, Lecturer in English History, has been appointed a member of the Faculty.

Faculty of Laws.

Mr. L. C. B. Gower has been appointed an additional Assistant for Tutorial Work.

Mr. L. Solomon, Senior Tutor (Arts and Laws), has been appointed a member of the Faculty.

Faculty of Science.

Dr. Herbert Edmeston Watson, Fellow of the College, formerly Professor of General Chemistry at the Indian Institute of Science, Bangalore, has been appointed to the Ramsay Memorial Chair of Chemical Engineering, rendered vacant by the death, in January 1934, of Professor W. E. Gibbs. Dr. A. J. V. Underwood, Honorary Lecturer, has resigned.

The Senate have conferred the title of Reader in Statistics on Dr. Egon Sharpe Pearson, Head of that department. Dr. J. Neyman, formerly Head of the Biometric Laboratory of the Nencki Institute, Warsaw, has been appointed Special Lecturer in Statistics and Mr. B. L. Welch Assistant Lecturer. Mr. E. C. Fieller, formerly Lecturer in Statistics, resigned at the end of the Second Term of last session, and Mr. M. S. Bartlett, Assistant Lecturer, at the end of the session.

Dr. Herbert Freundlich, formerly of the Kaiser Wilhelm Institute for Physical and Electro-Chemistry, Dahlem, has been appointed an Honorary Research Associate in the Department of Chemistry.

Dr. Margaret Steen, Assistant Lecturer in Zoology, resigned at the end of the Session 1933–34, in view of her approaching marriage.

Miss Ruby Dowling, on the expiration of her term of appointment as Quain Student in Biology, was appointed Assistant in the History and Method of Science; Mr. K. Wilson has succeeded her as Quain Student.

The following further new appointments have been made :—

	Status.	*Department.*
Dr. W. E. Duncanson	Assistant Lecturer.	Physics.
Mr. P. A. Gorer	Honorary Research Assistant.	Zoology.
Mr. K. Mather	Assistant Lecturer.	Eugenics.
Mr. H. K. Pusey	,, ,,	Zoology.
Dr. R. Roscoe	,, ,,	Physics.
Miss Constance Simmins	Honorary Research Assistant.	Psychology.
Mr. W. L. Stevens	Assistant Lecturer.	Eugenics.

The following changes of title have been adopted (the former status is given in brackets) :—Mr. N. H. Howes (Assistant Lecturer), Lecturer, Zoology; Mr. J. F. Kirkaldy and Dr. M. MacGregor (Demonstrators), Assistant Lecturers, Geology.

Dr. John Kirk, Senior Tutor (Science, Engineering, and Medical Sciences), has been appointed a member of the Faculty.

Faculty of Engineering.

Professor Ernest George Coker, Kennedy Professor of Civil and Mechanical Engineering and Director of the Engineering Laboratories, retired at the close of the Session 1933–34. He had occupied the Chair since 1914 ; was Dean of the Faculty during the period 1915–1934 ; and was for many years a representative of the Professorial Board on the College Committee.

The College Committee, at their meeting on 3rd July, 1934, associated themselves with the following resolution passed by the Professorial Board on 26th June :—

> That the Professorial Board desire on the occasion of the retirement of Professor Coker to place on record their appreciation of all that he has done alike for the College and the Faculty of Engineering during his tenure of the Kennedy Professorship. To his initiative and organising skill the College stands deeply indebted alike for the planning, building, and equipment of the Engineering Laboratories. From the days of Kennedy the Faculty of Engineering has had a high reputation alike in the training of engineers and in the development of engineering research. Professor Coker has done much to enhance that reputation, and the College wishes him many years of happy retirement.

Captain Geoffrey Terence Roland Hill, a Fellow of the College, has been appointed Kennedy Professor of Engineering and Director of the Civil and Mechanical Engineering Laboratories, and took up his duties at the opening of the present session.

The death of Professor W. C. Clinton, Pender Professor of Electrical Engineering, is referred to in greater detail on p. 33. The Senate have not yet, up to the time of the issue of this Report, appointed his successor.

Dr. John Kirk, Senior Tutor (Science, Engineering and Medical Sciences), and Mr. J. Greig, Assistant Lecturer in Electrical Engineering, have been appointed members of the Faculty.

Faculty of Medical Sciences.

Professor E. B. Verney resigned the Chair of Pharmacology as from the end of the Session 1933–34, on his appointment to the Sheild Readership in Pharmacology in the University of Cambridge. Mr. John Henry Gaddum, Professor of Pharmacology in the Egyptian University, Cairo, has been elected to the Chair as from 1st July, 1935, up to which time he will not be free to take up the appointment.

Professor H. A. Harris relinquished the office of Professor of Clinical Anatomy, which he had held jointly at University College and University College Hospital Medical School, at the end of the Session 1933–34, in view of his appointment as Professor of Anatomy

in the University of Cambridge, to which reference was made in last year's Report. Dr. Catherine Hill, Senior Assistant in Embryology and Histology, also resigned, in view of her approaching marriage, but consented to continue her work during the First Term of the current session. Mr. K. C. Richardson, a former Honorary Research Assistant, has been appointed Lecturer in Histology as from 1st January, 1935. Mr. A. J. E. Cave was appointed Senior Demonstrator in Anatomy, but his recent appointment as Assistant Conservator of the Museum of the Royal College of Surgeons has necessitated his resignation. Mr. G. Qvist has been appointed a temporary Demonstrator.

The Senate have conferred the title of Reader in the Physiology of the Sense Organs on Dr. R. J. Lythgoe, formerly Honorary Research Associate.

Professor Celestino da Costa, Professor of Histology and Embryology in the University of Lisbon, has been appointed an Honorary Research Associate in the Department of Anatomy and Embryology during the Session 1934–35.

The following further resignations have been received :—Mr. S. L. Cowan, Honorary Research Assistant in Pharmacology ; Dr. R. J. MacWalter, Assistant Lecturer, Dr. E. B. Robertson, Assistant. Mr. E. R. Smith, Demonstrator, and Mr. E. G. White, Honorary Assistant, all of the Department of Physiology and Biochemistry. Mr. A. M. Hocart, Honorary Lecturer in Ethnology, resigned on his appointment as Professor of Sociology in the Egyptian University, Cairo.

Mr. D. H. K. Lee has succeeded Mr. E. Graham Murphy as Sharpey Scholar in Physiology. Mr. W. F. Batty was appointed Percy F. Macgregor Scholar in Embryology, but resigned the Scholarship to become a temporary Demonstrator in succession to Mr. E. C. Amoroso, who now holds an appointment at the Royal Veterinary College.

In the Department of Physiology, Pharmacology, and Biochemistry, Mr. H. Davson Mr. H. T. Fawns, Mr. R. A. Gregory, and Dr. Lily M. Kerly have been appointed Demonstrators ; Mr. L. Young, formerly Demonstrator, has been granted the title of Assistant Lecturer.

Miss L. M. Pickford, Assistant in Pharmacology, has been appointed a member of the Faculty.

Miss Una Fielding, Demonstrator in Anatomy and Lecturer in Neurology, Dr. A. H. Smith, Lecturer in English, and Mr. H. Terrey, Senior Lecturer in Chemistry, have been elected members of the Professorial Board for the Session 1934–35 under Statute 24 (5), Regulation 29, *vice* Mr. E. C. Fieller, Dr. Elizabeth Fraser, and Mr. C. H. Williams.

THE WORK OF THE FACULTIES.

The Report presented by the Provost at the Assembly of Faculties last July deals with the outstanding events of the Session 1933–34. This Report will be found in Appendix V.

A list of the Original Publications by members of the Staff and Research Students for 1933–34 will be found in Appendix VI.

The following is a brief summary of matters to be noted in connection with the work of the past twelve months :—

Faculty of Arts.

Bartlett School of Architecture.

The Reports of Professor Richardson on the work of the Bartlett School last session, and of Mr. H. Warren Wilson on the Division of Decoration, contain a record of progress and of successes gained by students in open competitions for important awards. Such records have been received for several years past, and are a gratifying testimony to the high standard of the work done in the School. The following are the numbers enrolled for the current session, with comparative figures for the corresponding time last session shown in brackets : Full-time Day Students 87 (121), of whom 32 (41) are working for the Degree and 53 (57) for the Diploma or Certificate ; Part-time Day Students 4 (6) ; Evening Students 39 (38). There are 3 (16) students at work in the Atelier for Advanced Design, exclusive of 19 (16) Fifth-Year Students who are working there as part of their Course.

The fall in numbers is the inevitable result, which was bound to make itself felt sooner or later, of the difficulties that have been encountered by the Architectural profession during the long years of trade depression. When these have been taken into consideration, it is a cause of gratification that the School has been enabled to pursue such a vigorous career, with such encouraging entries, in recent sessions.

The work has continued to be carried on in active collaboration with other departments of the College. Lectures or demonstrations have been given by members of the Departments of Civil, Mechanical and Municipal Engineering ; the late Professor Clinton gave a valuable course on Illumination ; and there were special lectures on Acoustics and Heating and Ventilation by Dr. E. G. Richardson and Mr. J. Roger Preston respectively. The reciprocal arrangement which has worked so happily between the Slade School and the School of Architecture has been maintained, students of either school attending classes at the other which are most suited to their needs. The School of Architecture is also participating in the arrangement with the Royal College of Art and the Central School of Arts and Crafts to which reference is made in the section dealing with the Slade School. The more advanced students have worked

at the British Museum and the Victoria and Albert Museum, and have attended building demonstrations at the Carpenters' Company's Trades Technical School. The study of mediæval craftsmanship and building methods with a view to the repair of ancient monuments has been continued, and some of the students have visited and measured important buildings and famous churches in course of restoration.

In the Division of Decoration there is an increase in the number of full-time students at work this session, 23 as compared with 16 at the corresponding time last session. These figures do not include other students of the School of Architecture who may be taking the several courses as part of their degree or diploma work. The lectures on "The Chemistry of Painters' Materials" by Dr. R. Morrell of Wolverhampton, which form part of the course, are supplemented by demonstrations and visits to paint manufacturers, and there is a short course of practical painting under a special instructor. Visits are paid to museums for the purpose of studying craftsmanship.

Town Planning.

In the Department of Town Planning the number of students is the same as at the corresponding time last session, namely, 44. Of these, 19 are taking Town Planning in connection with the Degree or Diploma Course in Architecture, 8 are working for the Diploma in Town Planning and 15 for the Certificate in Town Planning. The changes that were introduced into the curriculum, with the object of bringing the work into line with the educational requirements for membership of the Town Planning Institute, to which reference was made in the last Report, make the Department well fitted to meet the increasing demand for the training of Town Planning assistants with a knowledge of Architecture that Professor Adshead anticipates as the result of the passing of the Town and Country Planning Act of 1932.

Slade School.

The report of the Slade Professor for the Session 1933–34 is an interesting record, which shows how the School continues to exert a far-reaching influence on the teaching of Art in many parts of the world. Its students were drawn not only from England, Canada, New Zealand, the Irish Free State, and the United States of America, but also from Germany, Holland, Norway, China, and Siam. Professor Schwabe reports that a significant feature of the appointments obtained by past students is the number of teaching posts at schools. Among them may be mentioned that of Mr. R. Darwin at Eton; of Mr. Michael Stuart at Haileybury; and of Mr. Hunt at Merchiston School, Edinburgh. Mr. Brill, a former Slade Scholar and Prizeman of the British School at Rome, is Principal of the Kingston Art School, and Mr. W. L. Clause is teaching at the Blackheath School of Art.

Past and present students were well represented at the Royal Academy Exhibition, at the New English Art Club, and at other

galleries in London. Two students gained prizes at the exhibition of the Students' Sketch Clubs of London held at the Whitechapel Gallery.

To the list of works by artists closely associated with the Slade School which have recently been acquired for the National Collections must be added "The Farmyard," exhibited at the Royal Academy Exhibition of 1934, an oil painting by Mr. W. W. Russell, C.V.O., R.A., formerly Assistant Professor and now Visitor to the School, which has been purchased by the Chantrey Bequest.

The Slade School has participated in certain helpful interchanges between Art Schools as follows:—Travelling Scholars from the Edinburgh College of Art have studied at the Slade; a series of Slade drawings were lent to the Cheltenham Art School; and a reciprocal arrangement has been made with the Royal College of Art and the Central School of Arts and Crafts for a limited number of students to be admitted to certain lectures without fee. Lectures at the Courtauld Institute have also been attended by the students.

Mr. V. Polunin's class in Stage Painting has had a successful year. The work of this teacher and his students at Sadler's Wells Theatre and at His Majesty's Theatre met with much appreciation, and one of the students has received a permanent engagement at the former theatre. Others have had commissions from Covent Garden Opera House and certain West End theatres, as well as from the A.D.C. Theatre in Cambridge. Mr. Polunin has now been appointed to the Staff of the Slade School.

Mr. Ormrod's students in the Design Class have also been successful in obtaining employment.

Mr. Gerrard has, since the death of Mr. George Havard Thomas, been charged with the direction of the work in Sculpture, and Mr. G. Meldrum is assisting in that branch of the teaching.

Seventy-five students were working for the University Diploma in Fine Art last session, of whom 21 completed the three-year course and obtained the Diploma.

The number of students enrolled in the Slade School in the First Term of the current session was 210, which is an increase of 20 on the number recorded at the same time last year.

History of Art.

The Durning-Lawrence Professor, Dr. Tancred Borenius, records further progress with the excavations that are being carried out by him on the site of Clarendon Palace near Salisbury. Considerable interest is being taken in the enterprise and, by the aid of a further grant from the Society of Antiquaries, operations were continued on a larger scale last Summer. They involved the services of a large camp of unemployed men, Mr. John Charlton, a former student of the College, being in charge of them. Several past and present students are participating. Senior Students of the Department have given active help in the treatment and restoration of the finds that have already been made, and these have been of considerable

use in the classes. Miss Enriqueta E. Harris, a student of the Department, has obtained the degree of Doctor of Philosophy for her thesis on "The Followers of Goya."

A course of special University Lectures on Venetian Eighteenth Century Painting was delivered at the College in May, 1934, by Dr. Nikolaus Pevsner, formerly Lecturer in the History of Art at the University of Göttingen.

School of Librarianship.

The retirement of Dr. E. A. Baker, first Director of the School of Librarianship, is referred to on p. 44. His report for 1933–34, the fifteenth session of the School, shows that there were 133 students at work (69 full-time and 64 part-time), of whom 52 were graduates. Forty-two completed the course for the University Diploma and passed the Examination. The Students included one from Australia, one from South Africa, two from the Irish Free State, four from India, one from China, one from Egypt, two from Germany, and four from Norway. Four Science graduates took the alternative Diploma Course as a training for service in Special Libraries. Public lectures by external experts formed a valuable supplement to the regular programme of work, and the usual visits to museums, libraries, and printing-works were arranged. A course of lectures on the application of ultra-violet rays in palæography, by Dr. O. L. Brady, Reader in Organic Chemistry, was much appreciated. Dr. G. H. Fowler received a group of selected students for practical vacation work under his supervision at the Bedfordshire County Record Office. Other full-time students gained practical experience in the Long Vacation by acting as voluntary assistants in approved libraries.

Mr. J. D. Cowley began his work as Director at the opening of the present session. Shortly after his appointment, one member of his staff, Mr. H. W. Acomb, was appointed Librarian of the University of Durham. Pending the appointment of a new lecturer, Mr. Cowley is himself undertaking Mr. Acomb's work in Cataloguing and Indexing.

The number of students enrolled for the current session is 148 (78 full-time, 70 part-time), of whom 85 are working for the University Diploma; 65 are graduates.

The Library of the School now contains 2,846 books and periodicals, as well as numerous pamphlets, and subscribes for over forty periodicals. It has been carefully built up and forms an invaluable collection for its purpose.

Archæology.

In recent Reports attention has been called to the difficulty under which the Department of Archæology has laboured owing to lack of accommodation for a gallery of casts and a teaching collection of antiquities and photographs. It was known that the material would be forthcoming; the problem was to find a suitable home for it. Happily that problem has at last been solved in a most satisfactory manner (see p. 29). The new

premises include a large cast gallery and provision for photographic and other work-rooms, and these are now almost ready for occupation. The Trustees of the British Museum have kindly undertaken to furnish a collection of casts on permanent loan. The College Committee are indebted especially to Sir George Hill, Director of the Museum and a Fellow of the College, for his good offices in this matter. Much other material has been acquired from time to time by gifts, the additions of last session consisting chiefly of casts of Greek coins, of which the department now possesses a good general collection.

The establishment by the Senate of a University Institute of Archæology, of which Dr. R. E. Mortimer Wheeler has been appointed Honorary Director, is a further good augury for the future development of archæological studies in London. The College department will work in close co-operation with the new Institute, and the work of the Institute has been so planned as to prevent any undesirable overlapping.

The courses in British Archæology by Dr. Mortimer Wheeler have been supplemented by visits to Museums and to Roman sites in London. In May last, a three-day expedition to Salisbury Plain was organised to give the students an opportunity of seeing field-work in progress on a prehistoric site and of visiting Stonehenge, Ramsbury, Old Sarum, Figsbury Rings, Maiden Castle, and other sites of archæological interest.

Egyptology.

In the Department of Egyptology a great deal of preliminary work has been done with a view to the ultimate rearrangement of the Collection. This involves the provision of new cases, and the College Committee have authorised the expenditure. A grant of £100 has also been made for the purchase of books for the Edwards Library which is housed in the department, and, as recorded on p. 78, this Library has now been brought under the control of the Library Committee, as in the case of all other College departmental libraries. Constructional alterations have been effected, and a room for the library has been provided and equipped. Through the good offices of Mr. Glanville, Sir Robert Mond has generously defrayed the cost of new metal casing.

Mr. Glanville reports that, although no great changes were made last session in the lecture syllabus, the aggregate number of hours of teaching has been considerably increased, principally by means of tutorial classes. The programme for this session has been so rearranged as to provide more individual teaching for students taking the Degree or Diploma Courses. The number at work in the department in 1933–34, was 23, of whom one was reading for the M.A. degree and two working for the Academic Diploma.

Sir Flinders Petrie has continued his field-work in Northern Syria, and the College has only had a brief visit from him during the past twelve months. The gift of his portrait by Mr. Philip de Laszlo is recorded on p. 93.

The College Committee have granted Dr. Margaret Murray leave of absence during the Second and Third Terms of the current session so that she may be free to continue her own archæological researches by means of excavations in Syria and South Russia. They were glad to have this opportunity of recognising her valued services to the department and the College as a whole, but she will be greatly missed.

English.

The number of students attending classes in the Department of English has been a noticeable feature of recent sessions. The figure recorded in the last Report was 347 ; the figure for the present session is 404. There is a large postgraduate school, to which graduates from abroad are attracted. The formation of an English School Society is an evidence of the keen enthusiasm which pervades the department. The Elizabethan Handpress, designed and constructed by Dr. A. H. Smith, has proved of increasing value in connection with the bibliographical teaching. Dr. Smith has also designed, cut, and cast a fount of Anglo-Saxon type and he gave a practical demonstration of type-founding last session in connection with a public lecture on the subject that was delivered by Mr. Daniel Caslon. The Press issued its first book, written and printed by Dr. Smith with the help of Mr. G. Tillotson, last session, which was reviewed in the *Times Literary Supplement* and elsewhere, the School of Architecture contributing the imprint and drawing of the Press itself with which the book was illustrated.

Miss E. C. Batho is to be congratulated on the conferment by the Senate of the title of Reader, and also on the degree of Doctor of Literature that she has recently obtained.

The Lord Northcliffe Lectures on "Elizabethan Lyrics and Metaphysical Poetry" were delivered by the Hon. V. Sackville-West last term, and aroused much interest.

Scandinavian Studies.

The Committee are glad to record that Dr. Allen Mawer has found it possible to accept the office of Honorary Director of the Department of Scandinavian Studies, which was rendered vacant by the death of Professor J. G. Robertson in 1933. The reports of the Queen Alexandra Lecturer in Danish, the W. P. Ker Lecturer in Norwegian, and the Crown Princess Louise Lecturer in Swedish for last session indicate that the work that has been so carefully fostered is being steadily maintained. There were 23 students taking the regular courses in Danish, 11 the courses in Norwegian, and 15 the courses in Swedish. The figures for 1934–35 are, to date : Danish, 15 ; Norwegian, 12 ; and Swedish, 19. The Department of English continues to provide courses in Old Norse. An important side of the work is the delivery of Public Lectures, some of them in the language of the country. Students of Danish are encouraged to attend the Holiday Course for Foreign Students held annually at Copenhagen by the offer of two awards of Five Guineas made by the Danish-British Association of Copenhagen. Both of these were taken up last Summer.

French. The tutorial work of the Department of French, which has been one of the developments of recent years, is well organised, the large number of students being taken in small groups, both in the Intermediate and later years. The illness of M. Stéphan, who takes a large part in this side of the work, was a cause of great regret to his colleagues and students last term. The Committee are glad to report that he has made a good recovery, and is now able to resume his work. As evidence of the strength of the postgraduate work, Professor Brandin reports that there were 12 students working for higher degrees last session, of whom 9 were registered for the Ph.D. degree.

German. The exchange between students of English and German Universities, which had worked so well and had had such beneficial effect on the language teaching in the Department, has received a temporary check owing to present conditions in Germany. Certain German-speaking students of the department are, however, giving effective assistance in the conversation classes. The departmental library has also suffered, owing to the increased cost of German books in terms of sterling, but against this fact must be placed the generous gift by his widow of a large number of valuable books from the library of the late Professor J. G. Robertson. Professor Willoughby reports a gratifying increase in the number of research students, of whom there were eight last session.

Dutch Studies. The work in Dutch Studies has continued to be done jointly with Bedford College, under the Professor of Dutch History and Institutions and the Lecturer in Dutch Language and Literature.

Professor Geyl's specialist courses form a valuable part of the programme in European History. He reports that two of his students took their M.A. degree last year with theses on Dutch historical subjects, namely, Miss Alice le Mesurier on "The Anglo-French Struggle for the Control of Dutch Foreign Policy, 1755–63," and Mr. R. R. Goodison on "Great Britain and the Orangist Party, 1663–72."

Mr. Weevers, the Lecturer in Dutch Language and Literature, is to be congratulated on obtaining the degree of Doctor of Literature of the University of Leyden. He had 19 students last session, one of whom was working for B.A. Honours and three for the Intermediate Arts Examination. One student was undertaking research with a view to the Ph.D. Degree. Afrikaans has recently been included in the list of approved languages for the University Diploma in Librarianship, and one student took lectures for this purpose. There was also one student taking Dutch as a subject for the University Diploma for Journalism.

Nine students have so far enrolled for this session.

Italian. The retirement of Professor Edmund Gardner is referred to elsewhere (p. 44). Professor Pellizzi, his successor in the Chair of Italian, has already done so much for the promotion of Italian

studies in this country, and has won for himself such a high reputation, that the Committee have the utmost confidence in his ability to maintain the great traditions that have been associated with the department in the past.

Public Lectures by members of the staff, some of them being delivered in Italian, continue to attract good audiences, the attendances of last session being particularly good. An average of 60 persons followed Professor Gardner's Barlow Lectures on Dante last term, and it is a matter of extreme regret that he finds himself unable to continue them.

There are 26 students in the Junior Class this session. The programme for the Higher Senior Classes is arranged jointly by Bedford and University Colleges.

Phonetics.

The Department of Phonetics has not only acted as a valuable auxiliary to the various departments concerned with the teaching of foreign languages, but has continued its own important investigations. Mr. J. R. Firth has completed a piece of research on the Phonetics of Tamil and has worked on the Phonetics of Persian and of Cypriotic Greek. Miss Armstrong has continued her work on the Phonetics of Somali and has made some striking discoveries when investigating the phonetic structure of the Kikuyu language of Kenya. The Phonetics Laboratory has continued to co-operate with the London School of Hygiene and Tropical Medicine in investigating degrees of deafness and with the Plastic Unit of the Hammersmith General Hospital in investigating cleft palate speech. By the retirement of Miss S. Lund at the close of last session the department loses one who has for many years rendered it valuable assistance.

There were 227 students in the department last session, of whom 138 came from foreign countries, and of whom 13 attended a special course on "Defects of Speech"; 37 were undergraduates. Many of them registered late in the session. The number enrolled for this session is 163 to date.

The Vacation side of the work is recorded on p. 83.

History.

The changes in the staff of the Department of History will be found on p. 46. Dr. Veit Valentin, an eminent German historian, who has been associated with the department by arrangement with the Academic Assistance Council, has proved a stimulating influence.

Dr. R. A. Humphreys, Assistant Lecturer in American History, is at present visiting some of the libraries and schools of Latin American History in the United States. Such a visit is part of the scheme for which the American History Fund was established, so that there may be constant opportunity for keeping in touch with contemporary developments in the American Commonwealth. With the same end in view, distinguished lecturers from the United States are invited to deliver Public Lectures at the College. Professor A. M. Schlesinger, of Harvard University, lectured on

"Social Forces in American History" last February, and Professor Marcus L. Hansen, of the University of Illinois, will shortly begin a course on "The Influence of Nineteenth Century Immigration on American History."

Other public lectures in connection with the department have been delivered by members of the staff, those of Professor Neale on "The Star Chamber in the Reign of Queen Elizabeth" and of Miss Jeffries Davis on "The Bridges of London", having attracted special interest. The full list will be found on pp. 80–82.

The Evening School of History is mentioned on p. 83.

Political Economy.

The development of the Department of Political Economy, under the direction of Mr. N. F. Hall, has continued and the increased number of students is maintained. Last session there were 78 students of the University Faculty of Economics, 53 of the Faculty of Arts, 37 others taking occasional courses, and 18 from the Department of Chemical Engineering attending a special course on Industrial Economics. There is a total of 169 this session, of whom 71 are working for the B.Sc. (Econ.) degree. Mr. H. T. N. Gaitskell, who was given leave of absence in 1933–34 to enable him to work at the University of Vienna with a Rockefeller Fellowship, has resumed his work at the College, and Dr. P. N. Rosenstein-Rodan, formerly of that University, is continuing as a Special Lecturer in the History of Economic Thought. Research work has been developed in the department. Two students have been carrying out a detailed investigation into changes in the organisation of Retailing in selected London areas, and another into the economic problems of the Small Holdings experiments of local authorities, the latter in close co-operation with public bodies concerned.

Philosophy.

A class on the History of German Philosophy has been added to the programme of the Department of Philosophy, more especially to meet the requirements of the new syllabus for Honours in German. It brought several new students into the department last session. Professor Macmurray reports that there was a gratifying improvement in the quality of the work done by students in the Intermediate Class and an increase in the number attending the advanced classes, particularly in Ethics and Social Philosophy. There are 8 post-graduate students this session. The arrangement of intercollegiate lectures for Honours Students of Philosophy agreed between University College, King's College, Bedford College, and the London School of Economics continues to work well.

Geography.

The Department of Geography continues to feel the need for more adequate accommodation than Arts Annexe II can afford. The growth of the Department of Political Economy has had its direct effect on the Geography classes. The increase in the number attending the Intermediate class is maintained, 69 students being enrolled for it this session. It was hoped that the removal of the departmental library to a larger room in Arts Annexe I,

which was recorded last year, would give temporary relief, but its separation from the map-rooms has proved a severe hindrance. The transfer of the department to suitable premises in Foster Court is a part of the scheme that awaits fulfilment when the money is forthcoming.

The Evening School of Geography is referred to on p. 83.

School of Journalism.

There are 43 students taking the courses in the School of Journalism at the College this session, as compared with 39 at the corresponding time last year. The students are admitted to such of the general courses as are suitable to their needs, and certain special classes are arranged for them, notably in the Department of English. Mr. L. Solomon continues as their Tutor.

Higher Civil Service Courses.

During the absence last session of Mr. H. T. N. Gaitskell, the Tutor to Higher Civil Service Students, Mr. H. Barger acted as Tutor. He reports that the places gained by College men in the various competitive examinations continue to be satisfactory, one obtaining the first place in the Consular Service Examination last year and another the seventh place in the Indian Civil Service Examination. With the co-operation of various departments, the scope of the special course in Present Day Problems has been extended.

Faculty of Laws.

The Session 1933–34 was the occasion, in February 1934, of one of the periodical University Visitations in the Faculty of Laws. After visiting the three Schools participating in Law Teaching under the tripartite scheme—University College, King's College, and the London School of Economics—the Visitors issued a confidential report. The report, while noting "the remarkable progress which has been made in the teaching of law on the internal side of the University since we presented our Report in 1924," makes certain helpful criticisms. The main criticism which affects University College is that which is concerned with the Law Library, and this criticism is receiving very careful consideration. Further funds might be provided for the Law Library, but it would be difficult to use them satisfactorily until the problem of its accommodation in the main buildings of the College under proper control can be solved.

The number of students in the Faculty continues to show an upward tendency, both in the undergraduate and postgraduate courses. There are 109 students registered at the College this session, of whom 93 are taking the Day Course and 16 the Evening Course ; 21 of the day students are working for the LL.M. degree.

With so many students, tutorial work in small groups has become increasingly important, and a still greater number of these small classes have been formed with the added assistance of Mr. L. C. B. Gower.

The public course in Comparative Jurisprudence, given by the Quain Professor, Sir Maurice Sheldon Amos, extends over the First and Second Terms and is much appreciated. It is supplemented by a Seminar Class.

The work in Hindu and Muhammadan Law, under Mr. Vesey FitzGerald, has been facilitated by substantial gifts of Law Reports, and this lecturer reports that the increased number taking his class in the Law of Palestine and Iraq have been doing work of a high standard.

Two students, one from Ceylon and one from South Africa, did work in Roman-Dutch Law under Mr. Gilbert Dold last session.

Faculty of Science.

Applied Mathematics.

Although the University Observatory at Mill Hill is now administered directly by the University as a central activity, instead of through University College, close co-operation between its work and that of the Department of Applied Mathematics continues. Professor Filon is the Director, and Mr. C. C. L. Gregory is Wilson Observer.

Professor Filon's re-election as Vice-Chancellor of the University for a second year has been a cause of gratification to the College, and the members of his staff are glad to continue for a further session the additional duties that some of them have assumed in order to give him the necessary relief. Mr. Jessop, Mr. Stevenson, and Miss Williamson should be specially mentioned in this connection. In his report on the work of the session 1933–34 Professor Filon comments on a noted increase in the number of students taking Applied Mathematics in the first year after the Intermediate.

Psychology.

The high standard of the work of the Department of Psychology has been well maintained, and there is an increase in the number of research workers. Of the 107 attending lectures or practical courses last session 24 were working for higher degrees or doing research; of the 92 already at work this session 39 are either postgraduate students or research workers. One of the valuable branches of the work is the training of students coming from the Institute of Education in psychological research. Professor Burt reports a number of important appointments obtained by former students.

Eugenics.

The alterations and re-equipment following on the separation of the Departments of Eugenics and Statistics have now been completed. In the report on his first year at the College Professor Fisher states that, by the courtesy of some of the larger County Boroughs, individual records of several thousand school children have been obtained, and that valuable material for research into growth and physique has thus been acquired. Genetic investigations have been carried out in collaboration with the Department of

Zoology. The anthropometric work of the Galton Laboratory has dealt mainly with lower jaws in the collections housed in the department, and visitors, including some from overseas, have spent periods there in order to obtain technical advice and examine the collections. Dr. G. M. Morant has compiled a bibliography of the writings of Professor Karl Pearson.

Statistics.

The first year of the new Department of Statistics, under Dr. Egon Pearson, has necessarily been largely concerned with the problem of adjustment to new conditions. The greater part of the teaching work has been for postgraduate students, of whom there were ten in the department last session. As the future of its work is most likely to be related to the application of statistical method in industry Dr. Pearson has established various contacts for the purpose of keeping his department in close touch with such work, through such bodies as the Industrial and Agricultural Section of the Royal Statistical Society, the British Standards Institution, and various industrial firms and research stations. An arrangement has been made with the Director of the Shirley Institute for students to gain practical experience of the application of statistical method in problems of textile research. The object of these contacts is threefold: (*a*) to awaken interest in the part which statistical tools must play in the movement, (*b*) to collect raw material for the training of students and ideas for new research, (*c*) to secure openings for students. Following on the resignation of Mr. E. C. Fieller, Lecturer, Dr. A. E. R. Church was invited to give demonstrations in the Second Term of last session. The appointment of Dr. J. Neyman, of the Biometric Laboratory of Warsaw, as a Special Lecturer has strengthened the staff, more especially on the industrial research side.

Botany.

The Department of Botany continues to be very full; numbers still increase. There are 188 students in the department this session. While the relief afforded by a share in the large Junior Laboratory in the Department of Zoology is much appreciated, the great distance that separates the two departments makes the arrangement possible only as a temporary expedient, pending the removal of Botany to the territory that will be available for it in Foster Court when the money necessary for its adaptation and equipment is found. Researches that are being carried on include work on sea-weeds and Dr Jane's continued investigations of timber problems.

Geology.

Some work of re-arrangement has been possible in the Museum of the Department of Geology, following on the removal of some of Professor Garwood's collections, which he has presented to, or deposited with, the Geological Survey. The equipment of the department has been improved by means of a special grant made by the College Committee for the purchase of microscopes.

Physics.

A detailed reference to the present conditions of accommodation

in the Department of Physics has already been made on pp. 28, 33. Until steps can be taken to remedy its scattered state the relief afforded by the large Junior Laboratory in Foster Court is great, and the research work is being carried on under more reasonable conditions. There are 169 First year students this session, 139 in the Second and Third years, and 15 research workers.

Chemistry.

The research activity of the Department of Chemistry is best evidenced by the long list of published results shown in Appendix VI. It has been greatly stimulated by the presence of several distinguished German scientists, to whom the department, in common with some of the other scientific departments, has been glad to offer hospitality through the Academic Assistance Council and other bodies. Fifty-one research students are working under Professor Donnan this session and 21 under Professor Ingold (see also p. 117).

Chemical Engineering.

It was not possible to appoint a successor to the late Professor W. E. Gibbs, whose death took place just before the issue of the last Report, in time for him to take up work in 1933–34. The work of the remainder of that session was carried on effectively by the two Lecturers, Mr. J. P. Mullen and Mr. M. B. Donald, with the support of their colleagues. Contact with industry, which is so vital to the well-being of this department, was maintained by means of visits to works and special lectures by representatives of industries. Two students had the opportunity of making an industrial tour in South Wales during the Easter Vacation. There is an encouraging record of suitable posts gained by students and of a demand for qualified men to train for higher administrative appointments in industry. There were 42 students at work and a large number of researches in progress last session.

Professor H. E. Watson, whose appointment is referred to on p. 47, took up the work of the Ramsay Chair at the opening of the present session. Nineteen students have registered to date.

The Ramsay Memorial Laboratory Advisory Committee, with Sir Robert Waley Cohen as Chairman and Sir John Cadman as Vice-Chairman, and with many leading men in the world of technical industry among its members, renders great service in guiding the policy of the Laboratory. The College Committee is also indebted to the other members of the industrial world who, by their interest and practical co-operation, have done so much to promote the work of the department.

A valuable collection of books and periodical literature relating to Chemical Engineering, which had been formed by Professor Gibbs, was acquired for the department.

Zoology.

The Department of Zoology is now comfortably established in its new home and has had its needs further met by the provision of an animal house in the neighbouring part of Foster Court. Ten research students are at work this session. Professor Watson went to the United States in the early Summer of 1934 to deliver the James Arthur Lecture at the American Museum of Natural

History and to visit the departments of Zoology in certain Universities in the Eastern States. Professor J. B. S. Haldane is now on a similar mission, having been invited to lecture at the Columbia Institute of Arts and Sciences and the Massachusetts Institute of Technology.

Faculty of Engineering.

The great changes in the Faculty of Engineering caused by the death of Professor Clinton and the retirement of Professor Coker are referred to elsewhere (pp. 33, 48).

Professor Clinton's illness necessitated leave of absence during the Third Term of last session, and it has not yet been possible to appoint his successor. In these difficult conditions the chief burden of the work has fallen on Dr. H. E. M. Barlow, Senior Lecturer, aided by the Lecturer, Mr. C. W. Bayliss. The College Committee desire to record their high appreciation of the loyal way in which this burden has been assumed and the effective manner in which the work of the department has been maintained. By an arrangement with the authorities of Queen Mary College Mr. W. J. John, of their Department of Electrical Engineering, has kindly been helping by delivering certain lectures. To him and to the authorities of Queen Mary College a deep debt of gratitude is owing for very welcome help at a time when Mr. John's services were already being taxed to the utmost. The equipment of the Electro-Communications Laboratory has been extended and may now be considered one of the best of its kind for teaching and research. Its equipment includes a number of commercial testing sets from the Standard Telephone Company of such range as to render possible every kind of commercial telephone and telegraph measurement. The number of researches in progress make the question of increased accommodation an urgent matter. Additional space is especially needed for the development of the work in progress for the production of high vacua in demountable valves.

Additions have also been made to the equipment of the Municipal Engineering Laboratory, and research has been active. Subjects of investigation include temperature effects and coagulation in the filtration of water, factors affecting the economics of slab and beam design, the grading of sand by elutriation and by sieving, the measurement of pressure distributions on foundations without deformation, the effects of temperature and of type of mould on the strength of quick-setting cements; the measurement of very slow velocities in a liquid with a view to researches in connection with the design of settling tanks for sewage, and the distribution of percolation in slow sand-filters; and the effects of certain factors, hitherto neglected, in connection with experimental results obtained from filters of small diameter.

Professor G. T. R. Hill took up the duties of the Kennedy Chair at the opening of the present session. His return to the College is all the more welcome in that he is the son of the late Professor M. J. M. Hill.

With the departure of Professor Coker, another well-known figure in the Faculty also disappeared from the College by the retirement of Mr. G. Mills, who had been attached to the Servant Staff for 57 years, and who will long be gratefully remembered by the many generations of students who came into personal contact with him. He was entirely devoted to the College and had served it faithfully. The Committee hope that he will be spared to enjoy many years of his well-earned leisure.

The number of students enrolled in the Faculty is 119.

Faculty of Medical Sciences.

The report on a University Visitation of the Faculty of Medical Sciences of University College and of University College Hospital Medical School, made in 1933, was issued in the course of last session. It is gratifying to note the following closing statement of that report :—

> "It would be difficult to express too great an appreciation of the opportunities which are afforded to teaching and research in the Faculty of Medical Sciences at University College and at the Hospital Medical School. There is a very high degree of co-ordination between the College and the School, and the relationship between the two is most cordial."

Anatomy and Embryology.

It has been a great pleasure to the colleagues and students of Professor Sir Grafton Elliot Smith to see his gradual resumption of a considerable part of his old activities in the Department of Anatomy and Embryology. His advice and stimulating influence have once more been available for members of his staff and the post-graduate workers in the laboratories. Last session these workers included two from Australia, one from Canada, two from India, and one from the United States. The departure of Professor H. A. Harris for Cambridge, and the other staff changes that have taken place in the department, are noted elsewhere. A fuller reference to the valuable services rendered by Professor Harris will be found in the Provost's Report at the Assembly of Faculties (p. 118).

At a time when the medical curriculum is under discussion by committees, it is to be noted that the department pursues its tradition of teaching Anatomy in the broad sense of the subject, without yielding to the narrow utilitarian demands of certain sections of the profession.

On the anthropological side the department has provided a meeting ground for several Civil Servants and Resident Magistrates

who are interested in the government of native races within the Empire. Northern Nigeria, the Calabar Coast, and the Gold Coast have provided part-time workers in Social Anthropology.

The manuscript catalogue of the Anatomical Museum is nearing completion. The Radiological Department has been active in the establishment of certain routine procedures of technical importance to clinical medicine. In support of the statement of the University Inspectors quoted above, the liaison with University College Hospital Medical School, both in the laboratories and in the hospital wards, has been strengthened. An increasing amount of experimental work has been done in relation to the correlation of anatomical events and physiological processes in the domestic animals and Man. The department is of service to certain Public Bodies, Government Services, Hospitals, Clinicians, Anthropologists, and Archæologists by reason of the wide interests of its Head and its valuable collection of anatomical, embryological, and radiological material.

A noteworthy feature of this year is the large number attending the special class for the Primary Fellowship Examination of the Royal College of Surgeons. There were 50 students in the class held last term, drawn from many parts of the world.

Physiology, Pharmacology and Biochemistry.

On the resignation of Professor Verney from the Chair of Pharmacology, the whole question of the organisation of this and its allied department of Physiology and Biochemistry was reviewed. It was felt that it would be an advantage, both from the point of view of medical education and of administration, if the association of the two departments were drawn closer by linking them into one new Department of Physiology, Pharmacology, and Biochemistry, with the present Jodrell Professor of Physiology, Dr. C. Lovatt Evans, as its Administrative Head, the Professor of Pharmacology continuing to be responsible for the general organisation, the teaching, and the research work in his subject. The Senate have selected Mr. John Henry Gaddum, M.A., now Professor in the Egyptian University at Cairo, as Professor Verney's successor, but he will not be free to take up the appointment until next July. In the meantime, Miss L. M. Pickford and the other members of the Pharmacology staff are carrying on the work.

The 25th anniversary of the opening of the Physiology building, the nucleus of the medical sciences block of today, was celebrated last session. An account of the Anniversary Dinner held on 15th June is given on p. 92.

The number of research workers, drawn from many countries, continues to be noteworthy. An indication of their labours of last session is given in the long list of original papers (Appendix VI., pp. 177–182).

The work in biophysics under Professor A. V. Hill is feeling the benefit of its new quarters so generously provided in 1933 by the Rockefeller Foundation. (See also p. 113.)

UNIVERSITY HONOURS.

(January 1st, 1934, to December 31st, 1934.)

Degree or Distinction.	Subject.	Name of Successful Candidate from University College.
Faculty of Arts.		
D.Lit.	English	Batho, Edith C.
Ph.D.	Archæology	Noshy, I.
	French	McCrea, Alison J.
		Niklaus, R.
		White, J. E.
	History	Moody, T. W. D.
	History of Art	Harris, Enriqueta E.
	Philosophy	Bhatt, J. M.
		Macdonald, Margaret.
M.A.	English	McCusker, Honor C. (Mark of Distinction).
		Rushforth, Marjorie.
		Smart, Eunice L.
	Geography	Smailes, A. E.
	History	Booth, Millicent.
		Goodison, R. R.
		Le Mesurier, Alice M. C.
		Simms, V. H.
	Mathematics	Godbole, N. D. (Mark of Distinction).
Faculty of Laws.		
LL.M.		Alikhan, M. A.
		Archdale, Helen E.
		Gower, L. C. B.
		Winter, C.
Faculty of Science.		
D.Sc.	Biochemistry	Richardson, G. M.
	Physiology	Deanesly, Ruth.
Ph.D.	Anthropology	Jeffreys, M. D. W.
		Tompkins, J. B.
	Biochemistry	Dixon, T. F.
	Chemical Engineering	Carman, P. C.
	Chemistry	Anantakrishnan, S. V. I.
		Benger, M.
		Cock, K. G. A.
		Duff, Dora A.
		Farmer, Dorothy M.
		Gangopadhyay, S.
		Ghaswalla, R. P.
		Hoather, R. C.
		Kidd, H. V.
		Lintern, P. A.
		Rogers, M. A. T.
		Smith, Margaret S.
		Todd, F. A.
	Embryology	Amoroso, E. C.
	Geology	Chubb, L. J.

Degree or Distinction.	Subject.	Name of Successful Candidate from University College.
Ph.D. (*cont.*).	History, Methods, & Principles of Science.	Galin, S.
	Mathematics	Lawrence, B. E.
		Page. A.
		Seth, B. R.
	Physics	Martindale, J. G.
		Roscoe, R.
		Smith, D. H.
	Psychology	El Koussy, A. A. H.
	Statistics.....	Garwood, F.
		Martin, E. S.
M.Sc.	Anatomy.....	Appajee, Y.
	Botany	Smith, G. E.
	Chemical Engineering..	Kumana, S. E.
	Chemistry	Bennett, W. H.
		Lahiri, J. K.
		Pearson, J.
		White, C. F.
	History, Methods, & Principles of Science.	Butler, F.
		Curnin, J. P. H.
		Knight, J. G.
		Neave, E. W. J.
		Ross, C.
	Mathematics	Doraiswami, S. V.
		Fereday, F. (Mark of Distinction).
		Gordon, A. N.
		Holmes, R.
		Wigglesworth, L. A. (Mark of Distinction).
	Physiology	Murphy, E. G.
	Statistics	Nayar, P. P. N.
	Zoology.....	Ince, Frances E.
Faculty of Engineering.		
M.Sc. (Engineering)		Robertson, A. I. G. S.
University Scholarships, etc.:		
English		Powell, Constance H.
German		Webster, R. T.
Law		Stranders, V. P. M. J. O.
Dunn Exhibition in Anatomy		Cohen, A.
Gilchrist Medal for History		Wright, Doris E.
Gilchrist Medal for History of Art ..		Brabham, Helena.
Keddey Fletcher-Warr Studentship ..		Offord, A. C.
Paul Philip Reitlinger Prize		Murphy, E. G.
Sherbrooke Studentship in Mathematics		Elen, L. W. F.

DIPLOMAS AND CERTIFICATES.

Diploma in Architecture.

Bulbulian, V. ; Finch, R. H. C. ; Hamp, Esther M. ; Heath, W. F. C. ; Kahana, U. ; Martin, R. H. ; Raza, M. H. ; Seifert, R. ; Woodhouse, W. M.

Certificate in Architecture.

Ashby, S. A. ; Bristow, M. H. ; Davis, O. B. ; Sherman, Joan ; Tall, Marjorie ; Tarrant, G. V. ; Whitaker, G. P. G.

Diploma in Chemical Engineering.

Bacon, C. G. ; Bell, F. H. ; Goodland, E. A. ; Hume, F. B. ; Kelland, N. S. ; Levene, S. ; Meyer, P. ; Poynder, J. B. ; Rippon, E. S. ; Robertson, J. H. ; Rose, H. ; Ross, R. G. ; Skelton, R. R. O.; Young, P. C.

Certificate in Decoration.

Barker-Mill, Jane M. V. ; Carlton, Lillian M. ; Lehmann, Grisel H.; Morgan, Janet E. ; Pollak, Sylvia M.

Diploma in Engineering.

Civil & Municipal :—Atallah, Alfred T. ; Dick, D. R. R. ; Gallego, A. M. ; Swan, R. L.

Municipal :—Roy, J. N.

Mechanical :—Fairbank, D. W. L. ; Quennell, Grace M. B. ; Sabur, T. ; Snowdon, J. W.

Electrical :—Barnes, E. R. ; Frost, A. C. H. ; Gadsby, H. D. S. ; Griffiths, T. ; Kilvington, T. ; Porteous. R. D. ; Rao, K. B.

University Diploma in Fine Art.

Alexander, Jean D. ; Brownrigg, Edith D. ; Brownrigg, Mildred A.; Campbell, Essex M. ; Clarke, D. H. ; Coldman, Winifreda E. ; Coulter, Marie T. ; Dreyfus, Lilian I. ; Gilbert-Lodge, Ethel M. ; Godfrey, I. P. ; Goggs, Marjorie G. ; Higginson, Margaret J. ; Hoole, Barbara M. ; Jackson, Pamela ; Lane, Cicely F. D'A. ; McIntyre, P. ; Meldrum, G. W. ; Potter, Barbara ; Sanderson, Beryl ; Williams, Kathleen E. ; Wright, Dorothy E.

University Diploma in Geography.

Hewitt, R. ; Jupp, Florence H. ; Madge, M. H. A.

University Diploma in the Humanities.

History :—Austin, Margaret R. J. ; Boyce, C. F. A. ; Cook, E. T. ; Cutler, A. ; Dowdall, Helen M. ; Howlett, Catherine N. ; Howlett, W. L. ; Imison, Bessie ; Marsh, G. R. T. ; O'Reilly, Annie W. ; Phillips, M. W. ; Pike, R. W. ; Poole, Lydia G. ; Sayer, S. F. T. ; Stafford, Jane M. ; Taber, Amy L. ; Thelwell, Marie A. ; Trinder, Florence L. ; West, F. R. ; Wright, Doris E.

History of Art :—Brabham, Helena ; Fish, C. D. ; Warren, F. C.

University Diploma for Journalism.

Allan, N. P. C. ; Andrew, L. W. A. ; Christie-Murray, D. H. A. ; Nockolds, Marjorie E. ; Plumbe, Therle M. C. ; Raywid, Lily ; Scott, F. T. ; Wyld, Joan M. ; Yates, Kathleen M.

University Diploma in Librarianship.

Ancell, Dorothy F. ; Armitage, Dorothy M. ; Armsby, Ruth L. ; Birkett, Frances M. ; Blackmore, Joan S. ; Brazier, Betty M. L. ; Burley, Joyce M. ; Cole, Marie G. ; Cornell, F. J. ; Cumming, Blythe E. ; Field, A. M. C. ; Forbes, Mary H. ; Franks, Joanna M. ; Goldspink, Florence M. ; Gough, Amy A. ; Green, F. S. ; Hersom, D. H. ; Holdsworth, Nora M. ; Izant, H. A. ; Jones, Gwenda ; Kirby, Marjorie M. ; Langwill, Margaret M. ; Lloyd, G. A. ; Mackay, Isobel J. ; Mellor, A. W. ; Melville, P. C. ; Nelson, Doris B. ; Nockolds, Hilda J. ; Perry, J. W. ; Pewter, Kathleen P. ; Phibbs, R. O. N. ; Prebble, A. F. ; Richnell, D. T. ; Rowell, Alison H. ; Rutherford F. ; Rylatt, Freda I. ; Saith, S. S. ; Stark, Elizabeth M. ; Sumpner, Margaret R. ; Waknis, T. D. ; Walton, H. M. ; White, Josephine L.

(Award deferred in cases where necessary period of service in an approved Library is not yet completed.)

Certificate in Phonetics.

Abercrombie, D. ; Brommer, Elisabeth ; Brusa, Raffaella E. ; Burkert, Anna ; Campbell, A. H. ; Dmitrieff, Helen ; Faure, G. ; Gordon, Julie J. ; Griffiths, Beatrice R. ; Hansen, T. ; Hoy, Mildred W. ; Inglis-Arkell, E. J. ; Jeffery, M. W. ; Kellam, C. A. ; King, Rosina D. M. ; Kuoni, A. ; Lee, W. R. ; Milne, J. K. ; Montes-Lueje, M. ; Moore, J. G. ; Paschkusz, Veronika ; Peet, Elsie G. ; Pericleous, C. ; Raine, Sybil M. ; Russell, Sylvia H. D. ; Schmid, Ruth ; Smith, Nancie McC. ; Southern, Edith J. ; Strafford, C. E. ; Thorpe, L. G. M. ; Townsend, Mary M. ; Waterfield, Elizabeth L. ; Wood, Josephine E. ; Zemanek, Jadwiga.

University Diploma in Psychology.

Ball, Ruby V. ; Dewar, Heather R. M. ; Dunstan, Beryl E. ; Epstein, Nadja ; Goodall, G. W. ; Greenwood, Edith ; Ostler Gertrude M. ; Smith, Margaret ; Sprules, Jean M.

University Diploma in Town Planning and Civic Architecture.

Gray, Sylvia C. ; Marshall, T. L.

Certificate in Town Planning.

Bell, B. ; Castle, J. T. ; Collins, A. C. ; Duncan, D. R. ; Dungey, J. J. ; Knott, B. W. ; Lovett, W. F. B. ; Mason, J. W. ; Merrett, J. C. ; Odling-Smee, C. W. ; Raza, M. H. ; Turner, Grace M.

University Certificate for Proficiency in :

English : Berlin, P. W. K. ; Campiche, P. H. ; Golaz, P. R. ; Greve, Ursula ; Hengerer, Elisabeth ; Licht, Eva ; Merz, Gertrud ; Stamm, Martina ; von Klenze, Hilda.

German :—Aman, W. C.

SUMMARY OF RESULTS.

January 1st to December 31st, 1934.

I. Degrees.

	Inter. and 1st and 2nd Medical.	Bachelor. Pass.	Bachelor. Hons.	Master.	Ph.D.	Doctor.	Faculty Total.
Arts	95	23*	89	9	8	1	225
„ (Architecture)	10	6	4	—	—	—	20
Laws	22	11	5	4	—	—	42
Science	74	44†	55‡	20	29	2	224
Economics	16	1	8	—	—	—	25
Engineering	29	9	10	1	—	—	49
Medicine	26 (Inter. Sci. for Med.) 14 (1st Exam.) 65 (2nd Exam., Pt. I.) 52 (2nd Exam., Pt. II.)	19	4	1	1	10	192
	403	113	175	35	38	13	777

* General Degree.
† 31 Special; 13 General.
‡ 49 Special; 6 General.

II. Diplomas and Certificates.

	Diplomas.		Certificates.	
Arts	Anthropology	—	Architecture	7
	Archæology	—	Decoration	5
	Architecture	9	English	9
	Comp. Philology	—	German	1
	Fine Art	21	Phonetics	34
	Geography	3	Town Planning	12
	History	20		
	History of Art	3		
	Journalism	9		
	Librarianship	42		
	Psychology	9		
	Town Planning	2		
Engineering	.....	16		
Chemical Engineering	.....	14		
Total		148		68

SCHOLARSHIPS AND OTHER DISTINCTIONS AWARDED IN THE COLLEGE.

A. *FACULTIES OF ARTS, LAWS, SCIENCE, AND ENGINEERING.*

Entrance Scholarships.

ANDREWS SCHOLARSHIPS :—

Arts :—T. M. Carter (Dulwich College) (3rd year) ; Joan Manton (Kingsbury County School) (2nd year) ; Gunn, Edith F. (Tottenham County School) (1st year).

Classics :—J. H. Ritchie (Lancing College) (3rd year) ; E. D. Muffett (Chigwell School, Essex) (2nd year) ; Julie E. I. Larter (Godolphin and Latymer School, Hammersmith) (1st year).

Mathematics & Science :—C. G. Raisin (University College School) (3rd year) ; L. A. Wiseman (Stationers' Company's School) (2nd year) ; S. W. Punnett (Eastbourne Grammar School) (1st year).

BARTLETT EXHIBITIONS IN ARCHITECTURE :—

W. B. Galloway (Whitgift Middle School, Croydon) (5th year) ; A. E. Rogers (The Royal Grammar School, Guildford) (5th year) ; A. G. Ling (Christ's Hospital, Horsham) (4th year) ; N. E. Block (Whitgift Middle School) (4th year) ; E. H. L. Osman (Hele's School, Exeter) (3rd year) and *A. Reed (West Ham Municipal Secondary School) (3rd year), *eq.* ; Barbara E. E. Sutcliffe (St. Margaret's School, Westgate-on-Sea) (3rd year) ; A. M. Foyle (Kingswood School, Bath) (2nd year) ; I. A. C. Herne (St. Paul's School, West Kensington) (1st year); L. F. Baker (Bec School, Upper Tooting) (1st year).

CAMPBELL CLARKE SCHOLARSHIP IN ENGLISH :—L. J. Jolley (Coopers' Company's School) (3rd year).

GOLDSMID SCHOLARSHIPS :—

Science :—R. H. Leach (Holloway School) (3rd year) ; J. Foster (Morley Grammar School) (2nd year) ; J. A. Kitchener (Bec School, Upper Tooting) (1st year).

Engineering :—No award.

FACULTY OF LAWS :—C. Levy (Hackney Downs School).

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* Subject to satisfactory progress in Latin.

Librarianship Exhibitions :—A. C. Panter (Kettering Grammar School) ; Joan M. Harries (University College, London) ; A. P. Howse (University College, London).

St. Pancras Scholarship :—E. R. C. Howell (William Ellis School).

Rosa Morison Scholarship :—(Classics) F. J. Ainsworth (Whitgift School, Croydon) (3rd year) ; (Classics) J. N. Kemp (Simon Langton Boys' School, Canterbury) (2nd year) ; (Arts) Esther Atkin (City of London School) (1st year).

Trevelyan Goodall Art Scholarship :—L. W. P. Woolford (University College School) (3rd year).

West Scholarship in English and English History :—Joyce E. Hancock (Dover County School for Girls) (3rd year).

University College School Centenary Scholarship :—A. H. Gould (Science) (3rd year) ; R. Faulds (Journalism) and F. D. S. Butement (Science), *eq. divided* (1st year).

II. Other Scholarships and Distinctions.

'Architects' Journal' Essay Prize :—R. W. Cave.

Sarah Baker Prize in Botany :—G. E. Smith, B.Sc.

Herbert Batsford Prize (Architecture) :—A. M. Foyle.

Benington Memorial Studentship in Anthropology and Craniology :—F. H. Cleaver.

Alfred Bossom Medal (Atelier) :—Barbara G. Goodwin.

Alfred Bossom & A. J. Davis Medal (Atelier) :—A. G. Nisbet.

Mary Brodrick Prize (Geography) :—R. C. Honeybone.

'The Builder' Prizes : *Senior* : A. G. Ling, D. E. Morrison } *eq. divided.*
Junior : T. D. Oxley, J. K. Wearing } *eq. divided.*

Highly Commended : M. H. Bristow ; D. E. Percival-Driver ; A. J. Truscott ; L. A. Wright.

'Building' Prize :—G. E. Cassidy.

Chadwick Medal and Prize (Municipal Engineering and Hygiene) :—No award.

Antonio Cippico Medal and Prize in Italian :—
Medal :—Pansy N. Hopkins.
Prize :—Pansy N. Hopkins } *eq.*
Bridget Martin } *divided.*

Danish-British Association Prizes :— { Dorothy J. Clark. Mary Beswick.

Derby Scholarship in Zoology :—J. S. Kennedy (2nd year) [*Resigned*, Dec. 1934].

Dolley Memorial Prize in History :—C. H. Bannister.

Donaldson Medal (Architecture) :—D. W. Aberdeen.

Early English Text Society's Prize :—No award.

Ferro-Concrete Prize (Design) :—1st : Esther M. Hamp.
2nd: W. F. G. Heath.

Fielden Research Scholarship in German :—P. Levy.

Carey Foster Research Prize in Physics :—J. G. Martindale.

Foyle Prize (Latin) :—R. C. Chope.

Gladstone Prize for Historical Essay :—E. Wagstaff.

Eleanor Grove Scholarship in German :—Joan H. Saxton (2nd year); Beila Spira (1st year).

Archibald P. Head Memorial Medal and Prize in Mechanical Engineering :—A. C. H. Frost.

Heimann Medal in German :—Lily M. Luchsinger.

John Oliver Hobbes Memorial Scholarship in Modern English Literature :— H. S. Latham } *eq.*
W. D. Wall } *divided.*

Hollier Scholarship :
Greek :—Betty Dunkley.
Hebrew :— D. S. Mahbub (2nd year) } *eq.*
A. Shapiro } *divided.*

Joseph Hume Scholarship in Jurisprudence :—V. P. M. J. O. Stranders.

Joseph Hume Scholarship in Political Economy :—A. Solomin.

Hurst Bequest Essay Prizes in English Law :—No award.

Sir George Jessel Studentship in Mathematics :—J. A. Taylor

Jevons Memorial Scholarship (Economic Science) :—Next award 1935.

Jews' Commemoration Scholarship :—Alice Weissbruth (Arts) (2nd year) ; J. Foster (Sci.) (1st year) ; Floretta J. Welch (Arts) (1st year).

Leverhulme Studentships in Chemical Engineering :—P. Meyer, B.Sc. (2nd year) ; R. G. Ross (1st year) ; E. Woollatt (1st year).

Bunnell Lewis Prizes :—(Latin Elegiacs) R. C. Chope.

Lloyd Scholarship in Modern Greek :—Next award 1935.

Lloyd Scholarship in Political Economy :—J. F. Cahan.

Sir John MacAlister Medal (Librarianship) :—A. M. C. Field.

Percy F. Macgregor Scholarship in Embryology :—*W. F. Batty.

Malden Scholarship and Medal (Greek) :—No award.

John Marshall Prize and Medal in Comparative Philology :—No award.

Sir William Meyer Studentship (History) :—*A. H. B. Tyabji.

John Stuart Mill Scholarship (Philosophy) :—No award.

Rosa Morison Memorial Medal (Arts) :—A. W. Snelling.

Rosa Morison Scholarship in English :—Lorna V. Paulin (1st year) ; †Kathleen M. Younger (1st year).

Morley Medal in English :—A. C. Cawley.

Morris Prize in Geology :—K. W. Barr.

Melvill Nettleship Prize for Figure Composition :—No award.

Oliver Bursary :—G. E. Smith.

Agnes Paul Prize in Greek :—No award.

Catherine Maude Pearce Scholarship :—Pamela Jackson.

Pollard Prize in English History :—J. Hirschfield.

Postgate Prize in Comparative Philology :—No award.

Quain English Prize :—Next award 1935.

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* Resigned.
† To be held over until Session 1935–36.

Quain Studentships :—

English :—H. Jenkins, M.A. (5th year).

Biology :—K. Wilson (1st year).

Ramsay Memorial Medal in Chemistry :—R. C. Hoather.

Ricardo Scholarship in Political Economy :—C. F. G. Ransom (2nd year).

Robert Ross Scholarship (Slade School) :—P. McIntyre.

Hester Rothschild Prize in Hebrew and Aramaic :—A. Shapiro.

L. M. Rothschild Prize in French :—No award.

L. M. Rothschild Prize in History :—J. Hirschfield.

Mayer de Rothschild Scholarship in Mathematics :—
A. E. Chapman } *divided.*
A. H. Gould }

Slade Fine Art Scholarships :—W. I. Brinkworth (1st year); Adye M. Fedden (1st year); Margaret A. R. Jeremy (1st year); Karin M. Löwenadler (1st year); Margaret C. Shaw (1st year); Marie T. Coulter (2nd year).

Slade Prizes for Figure Composition :—

H. R. Eveleigh (1st).
H. J. Barnes
Thelma A. Carstensen
I. P. Godfrey } *eq. 2nd.*
P. McIntyre
Margaret Williamson
Lilian I. Dreyfus (7th).
Jean D. Alexander
O. H. Barnett
D. H. Clarke } *eq. 8th.*
Camilla Page.

Laura Soames Prize (Phonetics) :—No award.

Tuffnell Scholarship in Chemistry :—R. H. Leach (1st year); C. G. Raisin (1st year); R. Wild (2nd year).

University College School Science Research Medal :—P. W. Richards.

L. F. Vernon-Harcourt Prize (Engineering) :—No award.

Ellen Watson Scholarship in Applied Mathematics :—A. H. Gould.

Professor H. Freundlich.	"Some Aspects of Colloid Science" (Five lectures).
Professor Edmund G. Gardner.	The Barlow Lectures: "Autobiography in the Works of Dante" (Six lectures).
Professor P. Geyl.	"William III. as Stadtholder."
Mr. S. R. K. Glanville.	"The Evolution of the Modern Museum."
Mr. I. C. Gröndahl.	"Norwegian Students' Life in the 19th Century" (Two lectures).
Mr. J. H. Helweg.	"J. P. Jacobsen, his life and Work"; "The Contribution of Jutland to Danish Literature."
Dr. Pryns Hopkins.	"Current Events viewed psychologically" (Two lectures).
Dr. H. R. Ing.	"The Chemical Structure of Drugs in relation to their Physiological Action" (Six lectures).
Mr. E. Mesterton.	"The Approach to a Psychological Attitude in Swedish Literature" (Two lectures).
Dr. Margaret Murray.	"Egyptian Art."
Professor J. E. Neale.	"The Star Chamber in the Reign of Queen Elizabeth."
Professor C. Pellizzi.	"Elementi pre-latini nella cultura italiana."
Professor Sir Flinders Petrie.	"Recent Discoveries in Gaza, Palestine."
Professor Charles Singer.	"The History of Physiology" (Three lectures).
Dr. M. A. Thomson.	"War and Peace in the 18th Century."
By Visitors:	
Mr. H. Daniel Caslon.	"Early English Type and Type Founding."
Professor Emile Cammaerts.	"Le mouvement symboliste et Emile Verhaeren" (Two lectures).
Professor Barker Fairley, University of Manchester.	"Nietzsche and Goethe."
Dr. Kenneth J. Franklin, Oriel College, Oxford.	"The History of Physiology" (Five lectures).
Professor Marcus L. Hansen, University of Illinois.	"The Influence of 19th Century Immigration upon American History" (Eight lectures).
Professor P. Marconi, University of Cagliari.	"Nuove scoperte archeologiche nella Sicilia ellenica".
The Hon. V. Sackville-West.	The Lord Northcliffe Lectures: "Elizabethan Lyrics and Metaphysical Poetry" (Six lectures).

Dr. Albert Schweitzer.	The Hibbert Trust Lectures: "The Religious Factor in Modern Civilization" (Four lectures).
Professor Ö. Winge, Carlsberg Laboratory, Copenhagen.	"The Problem of Evolutionary Changes in Sex Determination."
Professor R. A. Williams, University of Cambridge.	"The Basis of Germanic Alliterative Verse."

Special University Lectures held at the College:

Professor S. Birnbaum, formerly of the University of Hamburg.	"The Making of a Language" (Three lectures).
Professor Ernst Cassirer.	"The Origin of the Modern Concept of Nature in the Philosophical and Scientific Thought of the Renaissance" (Two lectures).
Professor Gustave Cohen, University of Paris.	"Le Théatre en France au Moyen-age" (Three lectures).
Mr. C. H. S. Fifoot, Hertford College, Oxford.	"The English Legal Mind."
Professor H. Freundlich.	"The Colloid Chemistry of India-rubber" (Three lectures).
Dr. G. Gamow, Academy of Science of U.S.S.R., Leningrad.	"The Recent Development of Nuclear Physics and its Astrophysical Applications" (Three lectures).
Mr. Ritchie Girvan, University of Glasgow.	"Beowulf" (Three lectures).
Professor A. C. Hardy, University College, Hull.	"Principles and Problems of Pelagic Ecology" (Three lectures).
Professor L. J. Henderson, Harvard University.	"Physiological Equilibrium" (Three lectures).
Professor J. R. Matthews, University of Aberdeen.	"The Northern Element in the British Flora" (Three lectures).
Professor Allan Nevins, Columbia University.	The Watson Chair Foundation Lectures: "The 'New Deal': Recent Politico-Economic Changes in the United States" (Six lectures).
Dr. Nikolaus Pevsner, formerly of the University of Göttingen.	"Venetian Painting in the 18th Century" (Three lectures).
Mr. J. U. Powell, St. John's College, Oxford.	"Some Features of the Greek Mind and Language in the Epic Age and in the 5th Century, B.C., and the History of Greek Scholarship in this Country from the 17th Century to the present Time" (Three lectures).
Professor Andreas B. Schwarz, formerly of the University of Freiburg.	"John Austin and German Jurisprudence"; "Equity in English Law and in Continental Legal Systems."
Professor W. Vogt, University of Zurich.	"Experimental Vertebrate Embryology" (Three lectures).

EVENING AND VACATION COURSES, AND MEETINGS OF OUTSIDE SOCIETIES.

The Evening activities of the College are maintained, and the buildings are open on five evenings of the week for the purpose of special work, mainly of a post-graduate character.

In the *Evening and Postgraduate School of History*, the number of students enrolled for the current session is 62, compared with 71 last session. The work of the School is highly valued by school teachers and specialists in History. It is carried on in close co-operation with the Institute of Historical Research. The resignation of the office of Director of the Evening School by Professor Norman Baynes, and the appointment of Mr. Walter Adams to succeed him with the title of Tutor, were recorded in the last Report. Mr. Adams's duties as General Secretary of the Academic Assistance Council make such heavy claims on his time and energy that he was obliged to relinquish the tutorship at the close of last session. Dr. G. J. Renier is now Tutor to the students in the Evening School of History.

There are 20 students in the *Evening School of Geography* this session, which is a decrease of 9 on the number of last session.

The decline in numbers in both these Evening Schools is mainly due to the preference shown by evening students for degree, rather than diploma, courses.

The *School of Phonetics and Spoken Language* attracts large numbers of teachers of Modern Languages, and its influence on methods of language teaching continues to spread. A considerable amount of its teaching work is done in the evening. Seventy-one evening students have registered so far this session. A Summer Vacation Course in Spoken English for Foreign Students was held in July and August 1934, also a Vacation Course for English Teachers of French. The former was attended by 62 students, representing 21 nationalities, the latter by 27 teachers.

The meetings of the Philological Society, the British School of Archæology in Egypt, the Viking Society for Northern Research, the Folk-Lore Society, the Geologists' Association, the Society of Radiographers, the Television Society, the Jewish Historical Society, and the University of London Law Society are held regularly in the College.

In addition to these, other Societies, including the Classical Journals Board, the British Institute of Philosophy, the British Mycological and Ecological Societies, the Genetics Society, the Biochemical Society, and the Biochemical Journals Board, have met from time to time.

The following have also held meetings at the College :—The Physiological Society of Great Britain, the Royal Society of Medicine, the Faraday Society, the Victoria Institute (Philosophical

Society of Great Britain), the University of London Psychological Society, the Modern Humanities Research Association, the Society of Glass Technology, the International Society of Leather Trades Chemists, the Union of Hebrew and Religion Classes, the University Section of the Library Association, the National Union of Students, International Student Service, the London Society of the University of Liverpool, the School Nature Study Union, the Social and Political Education League, the Association of Teachers of Domestic Subjects, and the London Regional Federation of the League of Nations Union.

The twenty-third Annual Conference of Educational Associations was held at the College in January 1935; the Congress of the International Statistical Institute in April 1934; and the International Congress of Anthropological and Ethnological Sciences in July–August 1934 (see also pp. 91, 93). Certain meetings of the Annual Conference of the Library Association were also held there.

The Anglo-American Conference of Historians, July 1934, dined in the College Refectory.

The Strolling Players Amateur Orchestral Society and the Westminster Orchestral Society hold their rehearsals at the College.

Accommodation for three University Tutorial Classes is being provided this Session.

The Royal Institution of British Architects was provided with accommodation for some of its Summer examinations.

The Federation of London Working Boys' Clubs was again accommodated in the Slade School, in January 1935, for a Drawing Competition, and a student of the School assisted by judging the work.

ADMINISTRATION.

Miss E. A. Reed, a Confidential Clerk in the Registrar's Department, who had rendered valuable service to the College since 1919, was granted leave of absence, owing to ill-health, during the Session 1933–34, and had to relinquish her post at the end of that period. Miss N. Pank has been appointed to the vacancy thus created.

Consequent on the continuous growth of the College buildings and the removal of the Superintendent of Buildings to a new office in Foster Court, with adjacent stores, certain staff changes have been made in order to provide additional clerical assistance. Mr. A. W. Conisbee, formerly First Assistant in Chemistry Stores, is now Storekeeper in the Works Department, and Mr. R. Chappell, of the Accounts Department, is combining with some of his former duties the new post of Cost Clerk.

The post of resident Lodgekeeper, for which the accommodation provided in the two small buildings near the main gates has long been considered unsuitable, has now been replaced by those of Day Lodgekeeper and Night Lodgekeeper.

A contributory pension scheme for College Servants came into operation as from the beginning of the financial year 1934–35. This is a matter which the College Committee has had in contemplation for a considerable time, and it is satisfactory to be able to report that it has now proved possible to take action.

STUDENT LIFE.

STUDENTS' ACTIVITIES.

The Union Society and the Women's Union Society record another year of activity and progress. The Inter-Union Standing Committee continues its useful function as a co-ordinating link between the two Societies.

The programme for the Foundation Week of 1934 included an oration by Mr. St. John Ervine on "The Alleged Art of the Cinema," the Women's Union Society At Home, performances by the Dramatic Society of *Othello* (effectively produced by Mr. Hal Burton), a Debate on the motion "That Liberty is a Professorial Abstraction," a Dinner, and a Ball.

The athletic activities of the Union Society have flourished, and College men have continued to take their share in University Athletics. At the University Sports meeting last May G. N. Blake added to his previous notable record by taking the Quarter-mile just inside 51 seconds and the 220 Yards in $22\frac{4}{5}$ seconds; S. F. Adams did the 100 Yards in 10·4 seconds. F. R. Ford won the High Jump with 5ft. 8 in., and C. L. Greenburg Throwing the Hammer with 88 ft. $4\frac{1}{2}$ in. The following further outstanding successes are to be recorded: the Rugby Football Club retained the Technology Cup, and reached the final round for the Inter-College Cup; the Association Football Club won both the Inter-College and Technology Cups; the Athletic Club retained, and the Hockey Club and Lawn Tennis Club won, their respective Inter-College Cups. The Swimming Club gave an excellent performance in the University Championships meeting, and the Cricket Club had a successful season. The membership of the Rowing Club was nearly doubled; two crews were entered for the Winter Eights and three for the Allom Cup, the former event being won by the College on December 15th. The College and Hospital Fencing Club participated in 26 matches. The Fives Club has recently completed a tour, in which it won all matches. Three members of the Boxing Club have boxed for the University. The Chess Club is stronger than for many years past, and it and the Badminton Club have a greatly increased membership.

The athletic record of the Women's Union Society is also good. Inter-College cups were won by the Badminton, Hockey, Netball, Rowing, and Swimming Clubs. Thirty-six members played

for the University of London Women's Athletic Union or Reserves last season and twenty in the Autumn term. Miss C. E. Field was chosen for the English Women's Hockey Reserves for an International Match on March 3rd, 1934. The new changing room for Women Students in the South Quadrangle continues to be greatly appreciated.

The students are eagerly awaiting the time when they can enter into occupation of the increased accommodation which is being provided for them in the place of the former Carpenters' Shop.

The two Union Societies have joined regularly in Debates, and the Union Debating Society has entered for the Inter-College Debating Championship.

Members of the College continue to take their share in the work of the University Union. The Hon. Secretary, Miss M. E. R. Dark, and the Permanent Secretary, Miss C. B. McMillan, are both former students.

In connection with the University College Hospital Centenary Appeal for £100,000, College Students have been active in making organised efforts. A Shrove-tide Fair was held on Shrove Tuesday, 13th February, 1934, the side-shows of which were many and ingenious ; they included a Pancake Scramble ; a Treasure Hunt ; "Cook's Tours" of the College, with Colonel H. J. Harris as guide ; a lecture on "The Venemous Bede" by Professor R. W. Chambers, with Professor C. J. Sisson as Official Interrupter ; an Auction Sale conducted by Professor Norman Baynes ; a short play, "E. and O.E." ; and dancing. The net profits amounted to £54. College and Medical School students co-operated in a Street Collection on Saturday, 8th December, which produced gross takings amounting to £2,150. A Hospital Centenary Ball held in the Great Hall on Wednesday, 12th December, which the College and Refectory Committees were glad to assist by granting various facilities, resulted in a sum of about £96.

The musical side of College life is promoted by the activities of the College and Hospital Music Association, with Mr. C. T. Lofthouse as its stimulating Director. The programme of its annual concert in March last included an effective performance of Bach's B Minor Mass, in which the choir and orchestra worked together admirably, and in which the Association had the assistance of Miss Margaret McArthur and Mr. G. B. Holdom as soloists. The Association has also arranged informal concerts, and has provided musical programmes in connection with College functions. The Lunch-Hour Concerts in the Great Hall, which are arranged by the Inter-Union Standing Committee through a special sub-committee, are attended by many members of the College and are greatly appreciated. Thanks are due to the following artists who have kindly participated in these concerts since the issue of the last Report ; their names are given in the order of the concerts :—Mr. Frank Phillips (Songs) ;

members of the Trinity College of Music; Miss Doris Langham-Smith, (Violin), Mr. Clifford Deri (Songs), and Mr. Guy Johnson (Piano), of the Royal Academy of Music; the Royal Academy of Music String Quartet; Mr. Maurice Reeve (Piano); Miss Joan Barker (Piano), Miss Joyce Jules (Violin), Miss Mollie O'Halloran (Viola), Miss Betty MacDonald (Songs), all of the Trinity College of Music; Mr. Sinclair Logan (Songs); members of the Royal College of Music; and Miss Mary Spencer-Smith (Songs).

The Dramatic Society has carried on its activities with great enthusiasm, and the high standard that has been set in recent years, both as regards production and acting, has been well maintained. Bernard Shaw's *Back to Methuselah, Parts I. and V.*, was chosen for the Christmas Play, the joint producers being Mr. A. W. Snelling and Mr. J. H. A. Emck. The scenery and costumes were designed and executed by Miss Pam Jackson of the Slade School, and were particularly effective.

The eleventh annual week of "The Little Plays of St. Francis," by Mr. Laurence Housman, was held in January. The production of these Franciscan Plays at the College was initiated in 1925 by the late Dr. Walter Seton, and as long as they continue to be performed in the College they will be closely associated with his memory. The keen interest, both inside and outside the College, that continues to be shown in them is a tribute to the beauty of the Plays, the sincerity of the student players, and the care and skill of the production. Mr. John Spalding was the producer of January 1935, and the two series, which were presented in six evening performances and two matinees, included three Plays which had not previously been performed, and which are unpublished. Mr. Laurence Housman has always taken the keenest personal interest in the College production of his Plays, and this year appeared himself in two of them. A further tribute to the reputation that has been achieved by the Dramatic Society in this connection was the invitation extended to them by the British Broadcasting Corporation to broadcast one of the Plays, *Brother Elias*, on the Regional and Empire Programmes on Sunday, 13th January. The week's proceeds are mainly devoted to charities, including the St. Christopher's Working Boys' Club.

It is impossible, in the limited space of this Report, to present a detailed record of the various College societies that are at work. The following, in alphabetical order, have sent in reports that show considerable activity:—The Botanical Society, the Chemical and Physical Society, the Classical Society, the Geographical Society, the German Society, the Greenough (Geological) Club, the Historical Society, the Italian Society, the Jevons (Economics) Society, the Librarianship Students' Association, the Mathematical and Physical Society, the Philosophical Society, the Ramsay Society of Chemical Engineers, and the Zoological Society.

The Faculty of Arts Society, the University of London Law Society, the Faculty of Science Society, the Engineering Society, and the College Medical Society have all done valuable service in promoting the welfare of their respective Faculties.

The Ancient History Circle, which has had a long and honourable career, unfortunately found it impossible to continue its work after the close of the Session 1933–34. In a letter to the College Committee informing them that the Circle no longer desired recognition as a College Society, a warm tribute was paid to Professor Norman Baynes, the founder of the Circle and its Organising Secretary for twenty years. The Gower Socialist Society has also disappeared from the list of College Societies. The following new Societies have been recognised :—The English School Society, the Social Problems Club, and the War and Peace Society.

There is no College Guide Club at present, but the Scout Club continues its activities.

The College branches of the Student Christian Movement, the London Inter-Faculty Christian Union, the University of London Catholic Society, and the Jewish Students' Society have held regular meetings.

The Old Students' Association and the Guild of Graduates discharge an important function in keeping past and present students in touch with one another and with College and University movements. Mr. Roger Smith is President of the Old Students' Association, and Mr. C. A. Hart is Honorary Secretary. The programme of the last twelve months included a river excursion to the Port of London, a cricket match, and a dance. The annual dinner is fixed for February 1st. Dr. Paul Haas is Master of the Guild of Graduates, and Mr. L. A. Wigglesworth is Registrar. The usual complimentary dinner to new graduates, which is arranged annually by the Guild, was held on 9th May, the eve of Presentation Day.

The St. Christopher's Club for Working Boys in the neighbourhood of the College, which provides a practical outlet for social work on the part of the students, celebrated its 40th Anniversary in 1934. Special events in honour of the occasion were held in November, under the auspices of the two Union Societies. Performances of *Royal Favour* (Laurence Housman) and *Op 'o me thumb* were given by the Dramatic Society on November 19th, and a Gymnastic Display, at which Sir Alexander Gibb, Chairman of the Executive Committee of the Club, presided, was held in the Gymnasium on November 21st. It is a matter of pride to the Club that one of its boys, W. Wigzell, won the Junior 8-stone Boxing Championship of the London Federation of Boys' Clubs at the contests held in the Albert Hall in March 1934, and that his performance was judged by the critics to be remarkably good. Some of the Senior Boys joined the Hawkeshill Camp for Boys in the Summer, and a

Summer Outing was arranged for the Juniors. Dinners for Old Boys and Seniors, and a treat for the Juniors, form part of each year's programme, and are held in the College Refectory.

THE ATHLETIC GROUNDS.

Reference has been made year by year in these Reports to the debts on the Athletic Grounds of the Union Society and the Women's Union Society at Perivale. These debts have been incurred through circumstances over which the students had no control. In the case of the Men's Ground, the making of a new by-pass road cut off a large area, and involved the acquisition and relaying of new ground, to meet the cost of which the compensation received was inadequate. Further, the increasing number of students using the Ground made it essential that the Pavilion accommodation should be enlarged, and this cost £2,500. As a result of the strenuous efforts of the Union Society, aided by friends of the College, the total debt has been reduced to £2,210, which is £400 less than at the corresponding time last year. The Union Society has in view various improvements to the Pavilion and Ground, which cannot at present be carried out owing to lack of funds.

The Women's Union Society have, during the past twelve months, reduced the debt on their Ground by a further £69, and there is reason to think that it will soon be entirely extinguished. The thanks of the Society are due to the many friends who, by their gifts, have aided the efforts of the Women Students themselves, and have contributed to this satisfactory state of affairs. During 1933–34 the Netball Court was relaid at a cost of £100.

THE HALLS OF RESIDENCE.

Further developments have been made at College Hall, where collegiate residence is provided for women students of the University, the large majority of them coming from University College. The new building, which was opened by Her Majesty the Queen in November 1932, has made the Hall so popular that the 112 study-bedrooms speedily proved insufficient for the number of applications received. The Council of the Hall, as a matter of emergency, and as the only means of future expansion, acquired four houses at the back of it, fronting on Gower Street. The additional expenditure involved could not be supported by the Hall with its 112 residents, and the Council decided to proceed with the building of a new wing at once, thereby increasing the number of study-bedrooms to 172 and providing further common rooms, including a Games Room. The financial arrangements for the cost of the extension were eased by the generous legacy of Dr. Mary Brodrick, whose death was recorded in the last Report, and who showed her devotion

to the welfare of the Hall by making it her residuary legatee, subject to certain life interests. It was resolved that the new Wing should be named after her in grateful remembrance.

The Mary Brodrick Wing was opened by H.R.H. Princess Alice, Countess of Athlone, on 15th November, 1934. Her Royal Highness was received by the Chairman of the Council (Sir Alexander Gibb), the Honorary Treasurer (The Lord Daryngton), the Vice-Chairman (Miss Louisa Macdonald), the Principal (Miss T. B. Alleyne), the Bursar (Miss L. Dobson) and the Mayor and Mayoress of Holborn. The Vice-Chancellor, the Principal of the University, and others were presented and, at a ceremony in the large Common Room, Lord Daryngton addressed Her Royal Highness, who replied. Miss Louisa Macdonald made a brief speech, recording her recollections of the early days of pioneer work for the higher education of women, following which Lady Lockyer, Miss Leigh Browne, and Miss M. S. Kilgour, Founders of the Hall, were presented. After Her Royal Highness had declared the new wing open and had made a tour of inspection, she took tea in the Dining Hall.

The report for the Session 1933–34 shows that the residents were drawn from sixteen countries. Thirteen of them were graduates.

At University College Hall, Ealing, the hostel for Men Students, there have also been certain developments. The Library has been moved into what was formerly the Wireless Room, and, by means of a special grant from the Crabb Robinson Fund, improvements have been effected, including the provision of a new fireplace and re-lighting. The Lounge has also been re-lighted. Owing to a subsidence, due to the prolonged drought, expense had to be incurred during the Summer for extensive under-pinning operations. A photograph of Dr. Walter Seton, one of the founders of the Hall, has been presented and has been hung in the Seton Room. A balance that remained from a fund subscribed for the benefit of a former matron, who died before the fund was exhausted, has been expended on silver candlesticks for the top table in the dining hall. Mr. Wigglesworth, Assistant in the Department of Applied Mathematics, has succeeded Dr. O. J. Walker as Bursar. Miss K. Luke has resigned the post of matron, which she held for over seven years, and has been succeeded by Mrs. C. S. French.

The hope that the Hall, with its recently extended accommodation, would be full this session has, unhappily, not been realised, and its financial position is at present receiving very careful consideration.

THE WINIFRED SMITH AND MAUDE FOSTER MEMORIAL.

(*The Old Forge, Chiddingly.*)

The Chairman of the Committee of Management of the Winifred Smith and Maude Foster Memorial, which is held in trust for the

benefit of the Women Students and the Women Members of the Staffs of the College and of College Hall, London, reports that the Old Forge Cottage continues to be much appreciated by those who stay there.

The late Sir Gregory Foster bequeathed to the University, for the benefit of this Trust, the freehold property adjoining The Old Forge, known as "Sunnyside." As this bequest was made in memory of his wife, the Trust is known as the Winifred Smith and Maude Foster Memorial.

A grant of £10 from the Crabb Robinson Fund has again been received for the Maintenance Fund.

Miss Edith Goodyear is Chairman of the Committee of Management, Dr. Elizabeth A. Fraser, Hon. Treasurer, and Miss H. Winifred Husbands, Hon. Secretary.

SPECIAL EVENTS.

On 16th February, 1934, the Fourth Rickman Godlee Lecture was delivered by Sir Arthur Eddington, Plumian Professor of Astronomy of the University of Cambridge, on "The Constitution of the Stars." The Rt. Hon. Lord Dawson of Penn, G.C.V.O., K.C.B., K.C.M.G., presided.

On 21st February the Rt. Hon. Winston S. Churchill, C.H., M.P., delivered a lecture on "Marlborough, his Life and Times" in the Great Hall of the College, in connection with the Loan Exhibition relating to Marlborough and the reign of Queen Anne. The proceeds were given to Y.M.C.A. Funds. General Sir Bindon Blood occupied the Chair, and the large and distinguished audience included His Grace the 9th Duke of Marlborough.

On 28th February and 1st March the Chairman, the late Sir Walter Buchanan Riddell, and members of the University Grants Committee visited the College.

In April the Rt. Hon. the Earl of Athlone presided at the Opening Meeting of the Congress of the International Statistical Institute which was held at the College. In connection with the same Congress His Royal Highness The Prince of Wales, Honorary President of the Royal Statistical Society, opened, on 17th April, the inaugural session of the centenary meeting of that Society in the Great Hall.

On 23rd April, at a ceremony in the Exhibition Room, the Trevithick Centenary Commemoration Committee presented to the College a bronze tablet commemorating the locomotive experiments in 1808 of Richard Trevithick, which took place in the neighbourhood of the site on which the College now stands. Sir Murdoch MacDonald, K.C.M.G., M.P., Chairman of the Trevithick Centenary Committee, was in the Chair and made the presentation to the College on behalf of his committee. The Provost, supported by Sir Alexander

Gibb, accepted the gift on behalf of the College Committee. Major the Hon. Oliver Stanley, M.P., then Minister of Transport, addressed the meeting, and subsequently unveiled the tablet, which has been placed on the west face of the Engineering Wing. It is the work of Mr. L. S. Merrifield. Among those present at the ceremony was Captain R. E. Trevithick, great-grandson of the inventor (see also p. 28).

On 23rd April a dinner in honour of Professor Karl Pearson was held in the Refectory to commemorate the great services which he had rendered to the College, to the University, and to Science during nearly half a century. The Vice-Chancellor, Professor L. N. G. Filon, was in the Chair, and the company included many former colleagues and students of Professor Pearson. The toast of the guest of the evening was proposed by the Chairman and supported by Mr. G. Udny Yule, Professor Harald Westergaard of Copenhagen, and Professor M. Greenwood of the London School of Hygiene and Tropical Medicine; it was accompanied by a presentation by the Chairman to Professor Pearson of a Brunsviga calculating machine, a book containing the signatures of the 267 subscribers from many parts of the world, a portrait plaque (a replica of which has since been presented to the College), and a cheque for £440 to be used by him in such manner as he might select for the advancement of the branches of science with which his name will always be associated. As recorded in another section of this Report, Professor Pearson has presented this sum to the College as a publication fund, which will bear his name, for statistical and allied topics.

On 30th April the 107th Anniversary of the laying of the foundation stone of the College by H.R.H. the Duke of Sussex was celebrated by the annual dinner of the Fellows of the College. Sir John Rose Bradford, Bt., elected Fellow in 1890, presided. Prior to the dinner, Sir John Bradford, in his capacity as Chairman of the College Committee, admitted the following, whose election to the Honorary Fellowship or Fellowship of the College was recorded in the last Report, namely:—*Honorary Fellows*: Emeritus Professor Karl Pearson, Emeritus Professor Sir Flinders Petrie (*in absentia*); *Fellows*: Dr. Edith C. Batho, Professor B. Ifor Evans, Dr. Edward Mallett, Mr. Harold James Page, and Dr. Alan Sterling Parkes.

On 15th June a Reunion Dinner of the Department of Physiology was held at the College to celebrate the 25th Anniversary of the opening of the present building, and to honour the names of the late Professors E. H. Starling and Sir William Bayliss. The Chairman of the College Committee, Sir John Rose Bradford, Bt., presided, and proposed the toast of "The Memory of Ernest H. Starling and W. M. Bayliss." The toast of "The Department" was proposed by Professor A. E. Boycott, and the Jodrell Professor, Dr. C. Lovatt Evans, responded. The toast of "The Guests" was proposed by

Professor A. V. Hill and replied to by Lady Bayliss. The company assembled in the Exhibition Room, where a bust of Professor Starling, and photographs of others who have contributed to the fame of the Department, had been placed.

On 28th June the Eleventh Annual Dinner to the Ramsay Memorial Fellowship Trustees and the Ramsay Memorial Fellows was held, the Provost presiding. Lady Ramsay was present, and H.E. The Greek Minister was one of the guests.

On 5th July a dinner was given jointly to Professors E. B. Verney and H. A. Harris on their leaving the College to take up work in Cambridge.

On 30th July His Royal Highness Prince George (now Duke of Kent) visited the College on the occasion of the opening meeting of the International Congress of Anthropological and Ethnological Sciences.

On 8th October the First Lucien Wolf Memorial Lecture of the Jewish Historical Society was delivered in the Great Hall by Viscount Cecil of Chelwood on the subject " Minorities and Peace " ; the Marquess of Reading took the Chair.

On 11th October a dinner was held in the Refectory on the occasion of the retirement of Professor E. G. Coker from the Kennedy Chair of Civil and Mechanical Engineering. The Lord Rutherford of Nelson, O.M., presided and proposed the toast of the guest of the evening, which was seconded by Professor L. N. G. Filon. Emeritus Professor Sir Ambrose Fleming was one of the speakers. The company included the Vice-Chairman of the College Committee (the Lord Meston), the Provost, Mr. Roger Smith, Sir Alexander Gibb, and many former colleagues and students of Professor Coker, as well as other representatives of the Engineering world. A ciné camera, for use in connection with his research work in photo-elasticity, and a cheque were presented to Professor Coker.

On 23rd November a portrait of Emeritus Professor Sir Flinders Petrie, executed by Mr. Philip de Laszlo, was presented to the College at a ceremony in the Exhibition Room. Sir Henry Lyons made the presentation on behalf of the body of subscribers, and the Chairman of the College Committee, Sir John Rose Bradford, Bt., accepted the portrait on behalf of the College.

On 28th November the Provost and Mrs. Mawer held a reception at the College to celebrate the granting of the Royal Charter to " University College, London " by His Majesty King William IV on 28th November, 1836. The Charter was on view, together with other documents concerning the foundation of the College, To commemorate the Centenary of University College Hospitial, documents and pictures relating to the early history of the Hospital were also on view. A concert was arranged by the College and Hospital Music Association, and there was dancing in the Great Hall.

Armistice Day.

As Armistice Day, 1934, fell on a Sunday, the customary commemoration at the College was not held. A Wreath of Remembrance was placed around the names, in the South Cloisters, of those members of the College who gave their lives in the Great War.

CENTENARY OF UNIVERSITY COLLEGE HOSPITAL.

The College Committee have naturally taken a sympathetic interest in the celebration of the Centenary of University College Hospital, the Foundation Stone of which was laid on 1st November, 1834. On the occasion of the Charter Day Reception at the College on 28th November last there was an exhibition of documents and pictures relating to the early history of the Hospital, which is so intimately bound up with that of the College itself.

In connection with the Hospital Centenary Appeal for £100,000, a special effort was made at the College when the usual Christmas appeal on behalf of the Hospital was sent to members of the staff. As a result the total contribution of the staff was increased by some fifty per cent. In addition, the students have been active in their organised efforts. An account of some of these will be found under "Students' Activities" (p. 86).

APPENDIX I.

Return of Attendances of the Members of the College Committee from 1st March, 1934, to 31st January, 1935.

Members of College Committee.	Attendances.		
	College Committee. 7 Meetings.	Managing Sub-Committee. 9 Meetings.	Special Sub-Committees.
Chairman (Sir John Bradford, Bt.) *	7	4	10
Vice-Chairman (Lord Meston) *	4	—	2
Treasurer (Mr. A. D. Besant) *	7	8	9
Treasurer (Lord Loch) *	3	—	2
Provost (Dr. Allen Mawer) *	7	9	15
Mr. A. B. Ashby *	4	6	4
Prof. B. Ashmole *	7	9	1
Mr. H. Arthur Baker *	6	7	5
Prof. W. C. Clinton[1] *	2	1	—
Sir Robert Waley Cohen *	4	6	3
Prof. C. Lovatt Evans [2] *	2	1	—
Sir Alexander Gibb *	1	1	—
Brev.-Col. H. J. Harris *	4	7	—
Dr. David Heron	6	—	6
Prof. G. T. R. Hill [3] *	1	3	—
Prof. T. G. Hill *	6	8	—
Dr. G. W. Keeton	6	—	—
Mr. G. I. H. Lloyd *	6	8	3
Mr. Roger Smith *	3	8	2
Miss E. F. Stevenson [4] *	2	2	—
Sir Andrew T. Taylor *	6	8	7
Miss A. Tomes	5	—	—
Mr. Wilfred Trotter	3	—	—
Prof. E. B. Verney [5] *	2	2	—
Mr. D. O. Wood	5	—	—

* Member of Managing Sub-Committee.
[1] Died 18th August, 1934.
[2] Appointed November, 1934.
[3] ,, December, 1934.
[4] ,, May, 1934.
[5] Resigned end of Session 1933–34.

APPENDIX II.

GEOGRAPHICAL DISTRIBUTION OF STUDENTS (1933–34).

	Under-graduate.	*Postgrad. and Research.*	*Evening.*	*Vacation Courses.*	*Totals.*
London	629	127	115	2	873
30 Miles Radius	649	116	88	6	859
United Kingdom (other than above)	581	105	37	22	745
Irish Free State	4	3	2	1	10
AFRICA—					
Abyssinia	1	—	—	—	1
Brit. E. Africa	3	1	1	—	5
Egypt	13	3	—	—	16
Mauritius	6	—	—	—	6
Morocco	—	1	—	—	1
North Africa	3	—	—	—	3
South Africa	16	14	1	—	31
Sudan	2	—	—	—	2
West Africa	6	1	—	1	8
AMERICA—					
Canada	6	11	1	—	18
South America	5	1	—	—	6
United States	21	19	1	4	45
West Indies	15	1	—	—	16
ASIA—					
Burma	3	1	—	—	4
Ceylon	8	5	—	—	13
China	12	11	—	—	23
India	102	51	2	2	157
Iraq	1	2	—	—	3
Japan	6	5	—	1	12
Korea	1	—	—	—	1
Palestine	26	—	—	—	26
Persia	15	1	—	—	16
Siam	2	—	—	—	2
Straits Settlements, Malaya and East Indies	4	—	—	—	4
Turkey	5	—	—	—	5
AUSTRALASIA—					
Australia and Tasmania	4	22	—	—	26
New Zealand	3	9	2	—	14
Carried forward	2152	510	250	39	2951

	Under-graduate.	*Postgrad. and Research.*	*Evening.*	*Vacation Courses.*	*Totals.*
Brought forward	2152	510	250	39	2951
EUROPE—					
Austria	7	2	—	2	11
Baltic States	5	—	—	1	6
Belgium	3	—	—	1	4
Bulgaria	1	—	—	—	1
Cyprus	2	—	—	—	2
Czechoslovakia	4	—	—	1	5
Denmark	7	—	—	—	7
Finland	—	—	—	1	1
France	23	2	1	9	35
Germany	68	19	3	12	102
Greece	1	2	—	—	3
Holland	12	2	1	4	19
Hungary	3	—	—	1	4
Iceland	—	1	—	—	1
Italy	6	3	—	4	13
Jugoslavia	1	—	—	—	1
Luxemburg	1	—	—	—	1
Norway	7	—	1	—	8
Poland	6	1	1	—	8
Roumania	3	—	—	—	3
Russia	2	1	—	1	4
Spain	5	2	—	—	7
Sweden	6	1	—	1	8
Switzerland	15	1	—	10	26
	2340	547	257	87	3231

SUMMARY.

British Isles	2487
Rest of the Empire	304
Other parts of the World	440
	3231

APPENDIX III.

UNIVERSITY OF LONDON, UNIVERSITY COLLEGE.

ACCOUNTS

For the Year ended 31st July, 1934.

College Establishment—Income and Expenditure.

General Balance Sheet.

UNIVERSITY OF LONDON,

Dr. COLLEGE ESTABLISHMENT INCOME AND EXPENDITURE

EXPENDITURE.		1933–34. £ s. d.	1933–34. £ s. d.	1932–33. £ s. d.
I. Ordinary Expenditure :—				
To **Administration :—**				
Salaries of Administrative Officers and Clerical Staff, including Insurance		12,917 5 3		12,406 0 0
Payments for Superannuation and Pension on behalf of Administrative Staff		1,084 17 6		1,045 12 6
Advertising		310 16 11		305 0 1
Printing, Stationery, Postages, and Telephone		3,451 14 6		3,143 2 4
Audit and Legal Fees		198 4 9		317 19 8
Other Expenses		119 9 2		117 9 4
			18,082 8 1	17,335 3 11
To **Departmental Maintenance :—**				
Salaries of Teaching Staff :—				
Professorial	£44,936 13 4			
Non-Professorial	71,614 8 11			
		116,551 2 3		114,337 6 2
Payments for Superannuation and Pension on behalf of Teaching Staff		10,283 9 11		10,036 11 0
Public Lectures		867 18 3		472 9 9
Departmental Wages (including Insurance)		13,410 3 1		12,832 8 3
Departmental and Laboratory Maintenance met from General Income		6,925 3 0		7,696 16 3
Departmental and Laboratory Maintenance met out of Apparatus Reserve Fund (*per contra*)		2,801 18 2		2,513 16 6
Departmental and Laboratory Maintenance met out of Trust and Special Funds and Donations		4,270 19 11		4,704 1 8
Salaries of Librarian and Library Staff		3,358 4 11		3,326 1 9
Payments for Superannuation and Pension on behalf of Library Staff		234 5 3		230 10 0
Libraries		4,055 0 10		3,806 3 4
			162,758 5 7	159,956 4 8
To **Maintenance of Premises :—**				
Rates and Insurance		7,150 10 2		7,224 12 0
Heat, Light, and Water (including Wages of Stokers)		7,856 10 9		6,856 7 10
Ordinary Repairs and General Maintenance of Buildings		6,661 4 5		7,603 7 11
Wages of Porters and Attendants (including Insurance)		9,033 13 1		8,857 14 2
Grounds		205 4 4		172 5 10
Household Stores		394 11 8		462 7 10
Crabb-Robinson Fund (for Athletic Grounds, Halls, etc.) (*per contra*)		231 10 0		191 10 0
			31,533 4 5	31,368 5 7
To **Pensions :—**				
To Retired Members of Staff, met out of :—				
Trust Funds (*per contra*)		436 7 5		463 0 0
Superannuation Fund No. 1 (*per contra*)		190 9 0		400 0 0
General Income		1,098 3 7		862 0 0
To Retired Servants, met out of General Income		479 15 11		503 14 4
			2,204 15 11	2,228 14 4
To **Other Educational Expenses :—**				
Examiners' Fees			88 13 0	110 0 0
To **Rents and Other Payments for Use of Buildings**			2,306 2 10	2,297 10 6
To **Fellowships, Scholarships, and Prizes :—**				
From Endowments		2,361 8 2		2,813 9 9
From General Income		897 9 10		963 4 7
From General Income (Exhibition Bursaries) and Special Fee Remissions (*per contra*)		654 13 0		688 17 8
From School of Librarianship Fund		55 0 0		81 17 6
From Special Donations (*per contra*)		1,067 3 0		571 15 0
From War Memorial Fund (*per contra*)		31 10 0		31 10 0
			5,067 4 0	5,150 14 6
Carried forward			£222,040 13 10	£218,446 13 6

UNIVERSITY COLLEGE.

Account for Year ended 31st July, 1934. *Cr.*

INCOME.		1933–34. £ s. d.		1932–33. £ s. d.
I. Ordinary Income:—				
By **Endowments** (Trust Funds):—				
Appropriated for Salaries of Teaching Staff		11,236 15 7		11,282 15 4
Appropriated for Scholarships and Prizes		2,361 8 2		2,813 9 9
Appropriated for Faculty of Medical Sciences (Holme and Rockefeller Sustentation Funds)		14,842 6 11		14,402 6 11
Appropriated for Chemical Engineering and Galton and Biometric Laboratories		6,441 8 10		6,737 13 2
Appropriated for Athletic Grounds, Halls, etc. (Crabb-Robinson Fund) (*per contra*)		231 10 0		191 10 0
Appropriated for Retired Professors' Pensions (*per contra*)		436 7 5		463 0 0
Appropriated for purposes other than above		6,410 0 3		5,130 16 11
			41,959 17 2	41,021 12 1
By **Donations and Subscriptions**:—				
Appropriated for General Purposes		1 10 6		9 0 0
Appropriated from Donations for Special Purposes		1,219 2 0		29 8 5
Appropriated to meet Scholarships and Bursaries (*per contra*)		1,067 3 0		571 15 0
Appropriated to meet Apparatus charges		65 1 4		45 4 11
Italian teaching through H.E. the Italian Ambassador		300 0 0		300 0 0
			2,652 16 10	955 8 4
By **Special Funds** (appropriated to meet expenditure):—				
Salaries		6,153 0 0		5,205 0 0
Applied Statistics and Eugenics		—		2,942 4 0
Egyptology		65 0 0		—
Eugenics and Statistics Publications		397 10 9		—
School of Librarianship		1,153 3 4		2,712 10 5
German Library		104 15 7		150 17 4
History of London		387 9 10		49 11 11
University Observatory		—		192 6 1
Special Apparatus Reserve (*per contra*)		2,801 18 2		2,513 16 6
Students' Purposes		1,156 10 6		1,134 12 6
Superannuation Fund No. 1 (*per contra*)		190 9 0		400 0 0
War Memorial Scholarships (*per contra*)		81 10 0		31 10 0
Library Deposits		15 10 0		14 9 5
			12,456 17 2	15,346 18 2
By **Grants allocated by the Court of the University**:—				
Block Grant		100,014 13 4		100,234 13 4
Less Transferred to Special Funds:—				
Salaries	£7,000 0 0			
Eugenics and Statistics	275 0 0			
School of Librarianship	1,500 0 0			
German Library	105 0 0			
History of London Library	100 0 0			
		8,980 0 0		11,030 0 0
		91,034 13 4		89,204 13 4
Additional Grants for Evening Schools		1,600 0 0		1,900 0 0
Home Counties Grant		2,732 0 0		2,648 0 0
			95,366 13 4	93,752 13 4
Carried forward			£152,436 4 6	£151,076 11 11

UNIVERSITY OF LONDON,

Dr. COLLEGE ESTABLISHMENT INCOME AND EXPENDITURE

EXPENDITURE (*cont.*).				1933–34. £	s.	d.	1932–33. £	s.	d.
Brought forward				222,040	13	10	218,446	13	6
I. **Ordinary Expenditure** (*cont.*) :—									
To **Students Societies** :—									
Payments to Union Societies :—									
University College, London	4,365	17	0				4,210	10	0
University of London	486	5	0				430	0	0
Other Payments from Students' Purposes Fund	150	0	0				150	0	0
				5,002	2	0	4,790	10	0
To **Other Expenses**:—									
Institute of Historical Research—Grant to Library (American History Fund)	131	14	3				86	0	3
Travelling Expenses (Commonwealth Fund)	160	0	0				35	0	0
Working Men's Societies (Peel Fund)	80	11	3				14	1	7
Miscellaneous Expenditure	1,157	13	4				1,210	12	5
				1,529	18	10	1,345	14	3
To Excess Income over Expenditure carried forward				7,876	7	2	5,811	1	9
				£236,449	1	10	£230,393	19	6

UNIVERSITY COLLEGE.

Account for Year ended 31st July, 1934 (*cont.*). *Cr.*

INCOME (*cont.*).	£ s. d.	1933–34. £ s. d.	1932–33. £ s. d.
Brought forward		152,436 4 6	151,076 11 11
I. Ordinary Income (*cont.*) :—			
By **Grants received through the Court of the University** :—			
Chadwick Trustees	200 0 0		200 0 0
Cassel Trustees	157 10 0		157 10 0
		357 10 0	357 10 0
By **Fees** :—			
General (including £2,743 2*s.* 4*d.* for Intercollegiate Teaching)	80,400 2 2		78,026 7 0
Examination and Registration Fees	580 5 0		564 11 6
Fees in consideration of Exhibition Bursaries (*per contra*)	654 13 0		688 17 8
	81,634 18 2		79,279 16 2
Less Intercollegiate Fees paid	1,516 13 8		*3,584 0 11
			75,695 15 3

* This includes £2,257 18*s.* 0*d.* Fees transferred to Special Funds.

By **Other Income** :—			
Interest and Dividends :—			
Bank and other Interest	132 17 3		87 9 6
Maintenance Fund (including Bawden)	871 0 7		871 0 7
Houses and Land	1,371 9 8		1,216 10 7
Societies (for Service, etc.)	130 5 4		133 3 7
Lockers	335 12 0		314 3 0
Sale of Calendars, etc.	12 10 6		9 13 4
Administrative Charges	121 8 6		120 15 2
Apparatus and Keys	134 9 8		130 12 9
University of Cambridge—Retaining Fee in respect of Lectures in Scandinavian	75 0 0		75 0 0
Miscellaneous	352 9 4		305 13 10
		3,537 2 10	3,264 2 4
		£236,449 1 10	£230,393 19 6

UNIVERSITY OF LONDON,

Dr. COLLEGE ESTABLISHMENT INCOME AND EXPENDITURE

EXPENDITURE (*cont.*).	1933-34. £ s. d.	1932-33. £ s. d.
II. Extraordinary Expenditure:—		
To Library for Books and Binding	77 15 1	111 11 0
,, Pension Reserve Fund	377 0 0	584 0 0
,, Ramsay Chemical Engineering Laboratories—Alteration to Heating System	369 15 8	—
,, Installation of Alternating Current	558 12 0	—
,, Chemistry Department—Research (Imperial Chemical Industries, Ltd.)	992 5 5	360 19 7
,, Chemistry Department—Research (Rockefeller Foundation Donation)	121 7 10	—
,, Medical Sciences—Apparatus, Equipment and Books (Rockefeller Foundation Benefaction)	3 12 2	114 2 2
,, Motor Cycle Shed—cost of erection	—	12 2 5
,, Galton Laboratories—Alteration and Equipment	1,485 4 5	—
,, Department of Zoology and Comparative Anatomy—Fittings and Equipment	2,404 5 9	—
,, Main Buildings and Foster Court—Cost of Alterations	4,475 14 7	5,365 12 7
,, Amount transferred to Accommodation Fund	6,500 0 0	5,295 11 10
,, Balance, being Excess of Income over Expenditure carried to Balance Sheet	546 4 4	—
	£17,911 17 3	£11,843 19 7

UNIVERSITY COLLEGE.

Account for Year ended 31st July, 1934 (*cont.*). *Cr.*

INCOME (*cont.*).	1933-34. £ s. d.	1932-33. £ s. d.
By Excess Income over Expenditure brought forward	7,876 7 2	5,811 1 9
Extraordinary Income :—		
By Treasury Non-Recurrent Grant (1929-30) Appropriated to meet expenditure on Books and Binding	77 15 1	111 11 0
,, Ramsay Memorial Chemical Engineering Laboratory—Appropriated from Ramsay Memorial Fund towards cost of installation of alternating current and heating alterations.	369 15 8	—
,, Chemistry Deparment—Appropriated from Centenary Appeal Fund towards cost of installation of alternating current	330 18 5	—
,, Appropriated from Lady Durning Lawrence Fund towards cost of installation of alternating current	73 19 3	—
,, Chemistry Department—Research (Imperial Chemical Industries, Ltd.)	992 5 5	360 19 7
,, Chemistry Department—Research (Rockefeller Foundation Donation)	121 7 10	—
,, Medical Sciences—Appropriated from the Rockefeller Foundation Benefaction to meet expenditure on apparatus, equipment, and books	3 12 2	182 12 3
,, Motor Cycle Shed Rents—Appropriated to meet cost of erection	—	12 2 5
,, Galton Laboratories—Appropriated from Applied Statistics and Eugenics Fund towards cost of alteration and equipment	1,185 15 11	—
,, Department of Zoology and Comparative Anatomy—Appropriated from Rockefeller Foundation Benefaction towards expenditure on fittings and equipment	1,171 11 11	—
,, Appropriated from Zoology Site Building and Equipment Fund towards cost of alterations and equipment	1,232 13 10	—
,, Main Buildings and Foster Court—Appropriated from Accommodation Fund towards cost of alterations	4,475 14 7	5,365 12 7
	£17,911 17 3	£11,843 19 7

UNIVERSITY OF LONDON,

General Balance Sheet of the

LIABILITIES AND CAPITAL.

	£ s. d.	£ s. d.
College General Capital Account:—		
Balance, 31*st July*, 1933	714,314 6 11	
Add: University of London—Grant from the Court towards Capital Cost of Building and Equipment of New Zoology Buildings	20,000 0 0	
Zoology Site Building and Endowment Fund—Amount used towards cost of Equipment of New Zoology Buildings	423 17 3	
Library Accommodation Fund—Amount used towards Alterations to New Science Library	1,363 16 11	
Engineering Building Extension Equipment	52 15 8	
War Memorial Scholarships Fund—Dividends invested	96 11 11	
Endowment of Teaching—Donations and Dividends invested	183 2 11	
		736,434 11 7
Trust Funds (*see* separate Balance Sheet)	929,070 16 6	
Less University College General Account	608 6 6	
		928,462 10 0
Building and Equipment (Works in Progress) Account	.....	2,528 2 0
Redemption Fund Accounts	.....	32,749 12 6
Miscellaneous Capital Funds:—		
Accommodation Fund	9,943 13 6	
Gower Street Front Fund	171 10 2	
Mocatta Library Reconstruction Account	18 13 0	
Completion of Engineering Laboratories Account	331 14 10	
Rockefeller Site Building and Equipment Account	10,545 13 7	
		21,011 5 1
Superannuation Funds held on behalf of Beneficiaries	.....	6,040 1 9
Loan Fund Accounts:—		
College	187 19 8	
W. W. Rouse Ball	205 10 9	
Madeleine Cole	31 6 4	
M. J. M. Hill	17 15 7	
		442 12 4
Agnes S. Paul Prize Fund	.....	10 6 8
Pension Reserve Fund	.....	3,905 3 1
Special Fund Accounts:—		
Salaries Fund	8,463 19 3	
Eugenics and Statistics Publications Funds	1,696 7 2	
School of Librarianship	2,117 12 1	
History of London Library	52 4 10	
German Library	52 19 8	
Special Apparatus and Equipment Reserve Fund	8,800 1 0	
Other Apparatus and Equipment Reserve Fund	291 7 7	
Students' Purposes Fund	801 1 3	
Egyptology Fund	1,341 0 9	
War Memorial Scholarship Fund	100 0 9	
Library Deposits	169 15 11	
		23,886 10 3
Carried forward		£1,755,470 15 3

UNIVERSITY COLLEGE.

College at 31st July, 1934.

ASSETS.

		£ s. d.	£ s. d.
College Freehold Lands, Buildings, Furniture, Library, etc., being the Land with the Buildings of the College and the Buildings Extensions, at the Approximate Valuation of August 1897 (as per last Balance Sheet)		186,000 0 0	
Physiology Institute, at cost to 31st August, 1912		21,842 14 10	
Pharmacology Institute, at cost to 31st August, 1915		5,544 19 3	
Egyptology Collection, at cost on 15th October, 1915		5,850 0 0	
New Chemistry Building, being the Freehold Land with the Buildings, Fittings, etc., at cost to 31st July, 1932 (as per last Balance Sheet)		106,169 2 6	
The Bartlett School of Architecture and Eugenics Buildings (being the cost of the Buildings, Fittings, etc., at the approximate valuation on 31st July, 1921)		37,000 0 0	
Great Hall—Cost of All Saints' Church	£6,462 8 10		
Cost of Reconstruction, Alterations, and Furnishing to 31st July, 1932	23,716 8 9		
		30,178 17 7	
General College Heating: additional cost to 31st August, 1919		2,504 7 10	
Cycle House, at cost to 31st July, 1923		403 10 1	
Sculpture Studios: additional cost to 31st July, 1924		5,532 5 5	
Engineering Building, Extension and Equipment, at cost to 31st July, 1933	£64,494 16 5		
Add Additional Cost to 31st July, 1934	52 15 8		
		64,547 12 1	
Medical Sciences (Rockefeller Foundation Benefaction) being the Freehold Land with the Buildings, Fittings, Equipment, etc., provided by the Rockefeller Foundation, at cost to 31st July, 1931		186,056 19 10	
Reconstruction of Science Library and Fireproof Floor in General Library, at cost to 31st July, 1931		17,072 11 0	
Refectory Kitchen Extension		2,000 0 0	
Ramsay Chemical Engineering Laboratories—Cost to 31st July, 1933		33,490 10 2	
Main College Buildings and Foster Court—Equipment of Zoology Building, and alterations to Main Buildings and Foster Court at cost to 31st July, 1934		25,051 12 11	
			729,245 3 6
Buildings and Equipment (Works in Progress) Account		.....	3,789 17 0
Freehold and Leasehold Property:—			
1 Gordon Street—House Account		3,401 1 0	
114 & 116 Gower Street Houses Account		7,019 17 3	
Foster Court—Cost to 31st July, 1932		30,267 3 1	
"Hawarden Castle" Account		2,365 6 2	
21 Gordon Square—Cost of Lease		2,633 14 6	
24 ditto ditto and Equipment		1,333 1 11	
			47,020 3 11
Carried forward		.....	£780,055 4 5

UNIVERSITY OF LONDON,

GENERAL BALANCE SHEET OF THE

LIABILITIES AND CAPITAL (*cont.*).

		£ s. d.	£ s. d.
Brought forward		.....	1,755,470 15 3
UNEXPENDED BALANCES OF GRANTS AND DONATIONS:—			
Rhodes Trustees Grant Account		96 9 0	
Treasury Non-Recurrent Grant (1929-30) for Library	£1,500 0 0		
Less Expenditure to 31st July, 1934	1,456 15 0		
		43 5 0	
Sundry Accounts		1,624 17 4	
			1,764 11 4
SUSPENSE AND DEPOSIT ACCOUNTS:—			
Keys Deposits		100 0 0	
Fees Suspense		2,485 1 4	
			2,585 1 4
SUNDRY CREDITORS		.....	2,833 18 4
INCOME AND EXPENDITURE ACCOUNT—			
As per Balance Sheet, 31st July, 1933		3,139 9 8	
Add Excess Income over Expenditure for the year ended 31st July, 1934		546 4 4	
			3,685 14 0
			£1,766,340 0 3

We have examined the above Balance Sheet and relative Income thereto, and certify them as being properly drawn up and in accordance

3, Frederick's Place, Old Jewry, London, E.C. 2,
13th October, 1934.

UNIVERSITY COLLEGE.

College at 31st July, 1934 (*cont.*).

ASSETS (*cont.*).

	£	s.	d.	£	s.	d.
Brought forward				780,055	4	5
Investments at cost as per annexed Schedule of Invested Funds				39,930	8	8
Trust Funds (*see* separate Balance Sheet)				929,070	16	6
Payments in Advance and Telephone Deposits				505	3	11
Sundry Debtors and Outstanding Accounts				2,144	8	9
Deferred Extraordinary Expenditure				249	15	9
National Insurance Stamp Account :—						
In hand and on deposit with Insurance Commissioners				980	4	10
Cash at Bank—On Deposit	715	3	6			
On Current Account	12,581	7	8			
Petty Cash Account	107	6	3			
				13,403	17	5
				£1,766,340	0	3

and Expenditure Account with the books, accounts, and vouchers relating therewith.

(Signed) PRICE, WATERHOUSE & CO.,
Chartered Accountants.

APPENDIX IV.

GRANTS (1933–34).

Grants allocated by the Court of the University :—

		£	s.	d.
Block Grant		100,014	13	4
Additional Grant for Evening Schools		1,600	0	0
Home Counties Grant :—				
Buckingham County Council	35 0 0			
Essex County Council	181 0 0			
Hertford ,,	157 0 0			
Kent ,,	401 0 0			
Middlesex ,,	1,344 0 0			
Surrey ,,	476 0 0			
Croydon Borough Council	83 0 0			
East Ham ,,	5 0 0			
West Ham ,,	50 0 0			
		2,732	0	0
		104,346	13	4
Grants received through the Court of the University :—				
Cassel Trustees	157 10 0			
Chadwick Trustees	200 0 0			
		357	10	0
		£104,704	3	4

SUBSCRIPTIONS AND DONATIONS (1933–34).

(For Special Purposes.)

	£	s.	d.
Batsford, Messrs. B. T., Ltd.	5	5	0
"Building," The Proprietors of	4	4	0
Eggleton, P., Esq.	*1	10	0
Forder, H. G., Esq.	1	1	0
Foyle, Messrs. W. & G., Ltd.	5	0	0
Leverhulme, The Trustees of the late Viscount	1,000	0	0
Rockefeller Foundation	4,240	0	0
Royal Italian Government, through H.E. the Italian Ambassador	300	0	0
Sieff, I. M., Esq.	250	0	0
Carried forward	£5,807	0	0

* Those marked with * are for General purposes.

				£	s.	d.
Brought forward				5,807	0	0
Donations towards Students' Loan and Bursary Funds :—						
Ashmole, Prof. B.	2	0	0			
Bellot, Prof. H. H.	1	0	0			
Cookson, A. C., Esq.	1	1	0			
Cooper, Miss E. C. L.	1	0	0			
Cutting, E. M., Esq.	1	0	0			
Davis, Miss E. Jeffries	1	0	0			
Gardner, Prof. E. G.	2	0	0			
Haas, Dr. Paul	2	2	0			
Haldane, Prof. J. B. S.	1	0	0			
Harris, Prof. H. A.	1	0	0			
Hill, Prof. T. G.	1	0	0			
Hopkins, Dr. Pryns	2	0	0			
Jolowicz, Prof. H. F.	2	0	0			
King, Prof. W. B. R.	1	0	0			
Salisbury, Prof. E. J.	2	0	0			
Sarmiento, E., Esq.	1	1	0			
Tillotson, G., Esq.	1	1	0			
Wharrie, Mrs. M.	100	0	0			
Wren, T. L., Esq.	2	0	0			
Amounts under £1	3	17	6			
				129	2	6
				£5,936	2	6

SUBSCRIPTIONS AND DONATIONS (1934–35)

(already received for special purposes).

	£	s.	d.
Bossom, A. C., Esq.	7	10	0
Concrete Publications, Ltd.	25	0	0
Davis, Arthur J., Esq.	2	10	0
Foyle, Messrs. W. & G., Ltd.	5	0	0
Jewish Historical Society	250	0	0
Leverhulme, The Trustees of the late Viscount	750	0	0
Rockefeller Foundation	400	0	0
Sieff, I. M., Esq.	125	0	0
	£1,565	0	0

APPENDIX V.

ASSEMBLY OF THE FACULTIES OF UNIVERSITY OF LONDON, UNIVERSITY COLLEGE.

5th July, 1934.

Chairman : The Chairman of the College Committee (Professor Sir John Rose Bradford, Bt., K.C.M.G., C.B., C.B.E., D.C.L., LL.D., M.D., D.Sc., Past Pres. R.C.P., F.R.S.).

Special Visitor : Sir Josiah Stamp, G.C.B., G.B.E., LL.D., D.Sc., Sc.D., F.B.A.

REPORT OF THE PROVOST (Dr. Allen Mawer) ON THE SESSION 1933–34.

The session 1933–34, as compared with 1932–33, has been one of consolidation rather than of advance. Last year I had a long story to tell you of new buildings equipped for new purposes and old buildings refashioned to meet new needs. This year we have built and equipped only one new Department, that of Biophysics. Professor A. V. Hill has for some years past carried on his biophysical work within the Department of Physiology. The distinction of that work has brought scientists from all parts of the world to work under him, and he has been sadly hampered for lack of space. The Rockefeller Foundation realised this, and once again most generously came to the help of the College and provided a sum of £4,000, wherewith a new Department of Biophysics has been built and equipped on the roof of the Department of Physiology, where Professor Hill and his staff now work under well-nigh perfect conditions of light and air.

Progress in other directions has been largely stopped for lack of means. On the Foster Court site we have good buildings all

ready to be refashioned and equipped for the Departments of Botany, Geology, Geography, and Political Economy. In the older College buildings we are looking eagerly for the removal of these Departments as an essential preliminary to proper provision for the Library, the Faculty of Arts, and the Department of Electrical Engineering. Much has been done for the Library and for the Faculty of Arts, but much remains to be done. Nothing has been done for Electrical Engineering. That is a subject which in the nature of things is continuously and rapidly enlarging its borders, and it is essential that the College should see that the Department does not lose the high position won for it by Sir Ambrose Fleming, and maintained by his devoted successor Professor Clinton. The whole sum needed for these re-housings, improvements, and adjustments—there is no question of new developments—is a minimum of £43,000. Our needs in these matters have recently been placed before the University Grants Committee and the Court of the University, but so have the needs of 26 other Universities and of some 30 Colleges and institutions within this University itself, and it is clear that for much of the money needed we must still look to the generosity of private benefactors.

The College is using this enforced breathing space for carrying out other less expensive but much-needed changes and improvements.

For some years past the College has keenly been aware of the need for a Cast Gallery as an essential element in the equipment of the Department of Archæology. That Gallery is now to be provided. Under the skilled and enthusiastic guidance of Professor Ashmole part of the old Shoolbred stables is to be transformed for the purpose, and to the generosity of the Trustees of the British Museum we owe a promise, on indefinite loan, of all those casts which we require for its equipment. The adjacent part of the stables has been reserved for the housing of the University Institute of Archæology in its initial and experimental stage.

The Department of Physics needs an entirely new set of buildings, but that is a question of capital expenditure of the order of £75,000, and there is no possibility of securing that sum at the present time. All we are able to do is to tackle the most urgent aspect of the problem, viz., the provision of reasonably satisfactory accommodation for research. In order to provide this the College

is equipping a new Junior Physics Laboratory in the Foster Court buildings, and arranging for the use of the territory which will thus be vacated in the old buildings for the improvement of the research accommodation.

The College was built at a time when little thought was given to the need for amenities of space, light, and air for College students, let alone College servants, in their leisure hours. The position is improving slowly in respect of College students—an additional building is being placed at their disposal and partially equipped at College expense this Long Vacation. In respect of College servants a big advance is being made in the provision of large and well-lighted common rooms for servants in Foster Court.

In the basement of one of the buildings of Foster Court provision is being made at the same time for new College workshops, which will take the place of the present scattered and unsatisfactory accommodation.

We have not by any means got all the money necessary, even for these adaptations and improvements, but we stand in urgent need of them, and we can only trust that our fee-revenue may remain sufficiently buoyant to enable us to discharge these obligations within the next few years.

The remedying of one further deficiency remains to be mentioned. For some time past the College has felt the need of a pension scheme whereby the large body of College servants who serve it so loyally, each in their varied fields of work, should be sure of a reasonable pension on retirement. Such a scheme, to which for present and future service the College and the servant contribute in equal proportion, has now been established. The College itself is arranging over a period of years to provide the money which will enable it to give pensions in respect of past service.

Turning to the work of the Faculties, there are various matters to note. First, in the Faculty of Arts :

In the Department of English we must note the setting up of an Elizabethan hand-press. This is a valuable, and indeed unique, piece of equipment which should enable the Department to go far in the development of bibliographical studies on scientific lines. The College stands in this matter very specially indebted at Dr. A. H. Smith, himself a member of the Department, who designed and built the press, and fashioned most of it with his own hands.

In the Department of History mention must be made of the Astor Professor's *Queen Elizabeth*, which has been acclaimed on all hands as a book which combines, in a fashion that is only too rare, excellence of scholarship and skill in exposition. To him we offer our very cordial congratulations.

Two Departments within the Faculty change their headship this session, Professor Edmund Gardner and Dr. Baker retiring under the usual age-limit.

In Professor Gardner we lose a scholar of high repute and a man of great charm of personal character, whose work has always been inspired by the highest ideals. We are happy to know that he has accepted the Barlow Lectureship in Dante of this College, a post, I regret to say, of greater honour than emolument, and we trust that through this his links with the College, official as well as unofficial, may long be maintained.

In Dr. Baker the School of Librarianship loses its first Director. The work of any school established for improving the standard of entry and qualification for a hitherto unorganised profession is bound for many years to be an uphill task, and it is not Dr. Baker's fault if the final goal is not yet in sight. He has established the right tradition and in the end it will prevail. In no Depatrment of the College has there been a better spirit of personal devotion and loyalty to its head, and Dr. Baker leaves us with the universal good-will of all who have worked under him.

The Department of History is losing the services of Mr. C. H. Williams. We thank him for all the good work he has done, first as Lecturer and then as Reader, and we wish him a very happy tenure of his Professorship at King's College.

The Slade School plays an increasingly important part in the Faculty of Arts. Alike in work and in play the interests of the School are linking themselves ever more closely with the interests of the College as a whole, and for this we stand deeply indebted to the staff of the School, under the wise direction of Professor Schwabe.

One development of its work in recent years calls for special mention. In the last year of Professor Tonks's Professorship a course on stage-painting was started under the direction of Mr. Polunin. That course is how well established, and it is a pleasure to note that the work of his pupils is receiving wide recognition.

Their work upon the scenery for the Sadler's Wells production of *Tsar Saltan* is only one example of many commissions that have been given to Mr. Polunin's pupils during the last year.

Before I take leave of the Faculty of Arts and turn to that of Laws, I should like to interpose a few words with reference to the chief auxiliary of the Faculty of Arts, viz., the Library. The Library has during the last few years improved its accommodation, developed its resources, and taken more and more fully its rightful place, not only in relation to the Faculty of Arts, but also in relation to all other Faculties. For eight of those years Professor Jeffery has acted as Chairman of the Library Committee, and to his inspiring leadership the Library owes much of its progress. He has this year retired from that office, and it is fitting that we should offer him our cordial meed of thanks.

The Faculty of Laws has this year undergone its periodical inspection as a School of the University, and it is pleasant to note that the Inspectors pay high tribute to the advance which has been made in the work of the Faculty since their last visit some ten years ago.

In the Faculty of Science the recent division of the Department of Applied Statistics and Eugenics has led to fresh developments within each Department, and I would desire more particularly to call attention to the rapidly developing contacts between Industry and the Department of Statistics. More and more openings are offering themselves in industry for workers trained in the principles and methods of Statistics, and under the new division of the Department, while Professor Fisher continues to develop the application of statistical science to biological problems, Dr. Egon Pearson is developing the study of that science as applied to the problems of industry.

In the Department of Chemistry the College has, through the generosity of various benefactors, public and private, been able to give hospitality to three or four distinguished scientists now exiled from their homes in Germany, and amongst them the College has offered a very special welcome to Professor Freundlich. Other Departments, alike in the Faculty of Science and in the Faculty of Arts, have been able to offer similar hospitality, and the College stands deeply indebted to those persons who have enabled us to entertain these guests within our walls.

The Department of Chemical Engineering suffered a grievous loss in the course of the session by the death of Professor Gibbs. He had been untiring in the organisation, equipment, and development of the Department and its new Laboratory. His qualities of mind and heart had won him the esteem and affection of his colleagues, and they will long remember him as a man of sterling worth of character.

In the Faculty of Medical Sciences the outstanding event was the celebration of the twenty-fifth anniversary of the opening of the present Department of Physiology. The celebrations took the form of a dinner, presided over by our Chairman, Sir John Rose Bradford, at which a large gathering of physiologists drawn from many different countries, who had at one time or another worked in the Department, united to do honour to the memory of two men whose names will always be linked with these new developments in Physiology—Professors Starling and Bayliss. The Department welcomed many guests on that occasion ; to none did it accord a more hearty welcome than to Lady Bayliss, the sister of Starling and the wife of Bayliss, herself the gracious and welcoming hostess to many successive generations of workers in the Department. It was a happy coincidence that just at this time the University of Birmingham announced its intention of conferring the honorary degree of Doctor of Laws upon Professor Lovatt Evans, the present head of the Department, who sustains so fully its high traditions.

The Department of Anatomy has been handicapped by the continued ill-health of its head, Professor Elliot Smith, but I am glad to tell you that he is now slowly but steadily regaining health and strength. We congratulate him very cordially on the honour which the King has recently bestowed upon him, and we offer our most cordial good wishes to Sir Grafton Elliot Smith. The Department has at one and the same time received a great honour and suffered a great loss by the appointment of Professor H. A. Harris to the Chair of Anatomy in the University of Cambridge. To him we offer our most cordial congratulations and, at the same time, our heartfelt tribute of thanks. Professor Harris has laboured unceasingly in the service of the College. He has at all times been the willing friend of those who sought his help, whether from the staff or from the students, and he has done more perhaps than any other man in strengthening the links which bind us to our sister

foundation across the road. He has left at least one visible and tangible memorial of all his work in the Museum of Anatomy, on which he has expended much loving care, and we are glad to know that before he leaves us in September he will have completed his labours on the catalogue of that Museum.

The Faculty has suffered another serious loss by the prospective departure of Professor Verney to take up the Shields Readership in Pharmacology in the University of Cambridge. In spite of a long handicap of ill-health he has done much alike for his own Department and for the Faculty as a whole, and we are glad to know that he enters on his new work fully restored to health, and we wish him a very happy tenure of his Readership.

The Faculty of Medical Sciences, like that of Laws, has undergone its periodical visitation this session, and it is pleasant to read the high tribute that is paid by the Inspectors to the work of the Faculty as a whole. They write :—

> "It would be difficult to express too great an appreciation of the opportunities which are afforded to teaching and research in the Faculty of Medical Sciences at University College and at the Hospital Medical School."

In the Faculty of Engineering two outstanding events call for notice. In the Autumn Term the College Engineering Society celebrated its fiftieth anniversary. The celebrations took the form of a dinner under the presidency of one of the founders of the Society—Mr. Roger Smith, one of the most loyal and devoted of the old students of the College,—and many and various were the tributes paid to the work of the great teachers in that Department, and to the munificence of its friends. Many were the tributes paid on that occasion to Professor Coker, who, for the last twenty years, has occupied the Kennedy Chair of Civil and Mechanical Engineering and it is an unhappy chance that the other outstanding event of which I spoke just now is the retirement of Professor Coker himself under the age-limit. Professor Coker has during his tenure of the Professorship fully maintained the fine tradition associated with the name of the sponsor of his Chair—Sir Alexander Kennedy himself. He leaves us full of plans for the continued prosecution of his research work, and we wish him a long and happy retirement in carrying it through.

Student life in all its varied aspects has gone on much as usual.

Even though we did not win the Rosebery Cup for the third year in succession, or the Allom Cup for the sixth, we have a goodly record in the athletic field. On the men's side the Rugger Club retains the Technology Cup, the Hockey and Tennis Clubs won the Inter-College Cups, and the Soccer Club won the Inter-College and Technology Cups, while the Athletic Club retained their Inter-College Cup. On the women's side the following Inter-Collegiate Cups were retained or won:—Badminton, Hockey (1st and 2nd XI), Netball, Rowing (Junior Four and Senior Four), Swimming.

The Dramatic Society are to be congratulated on a very fine performance of *Othello* in Foundation Week. It was an ambitious attempt, but the attempt was justified to the full. Similarly the Music Association are to be congratulated on the steadily improving quality of their work, culminating in their rendering of Lambert's *Rio Grande*, and part of the B Minor Mass in their concert in the Spring Term.

Once again the College stands deeply indebted to the Officers and Committee of both Unions for all their work in helping forward student life in the College. They carry a heavy burden of work and responsibility, but it is always cheerfully borne, and it is a pleasure to work with them.

I have already mentioned incidentally some of the honours and appointments which have fallen to members of the College. Here we must record some others.

To Professor Filon we offer our very warm congratulations on his appointment for a third period, his second complete year, as Vice-Chancellor of the University.

To Emeritus Professors Sir Flinders Petrie and Karl Pearson we offer our warm congratulations on the Honorary Doctorates which the University has conferred in the one case and proposes to confer in the other, and we would desire at the same time to thank Professor Karl Pearson for the generous benefaction bestowed on the College when he presented to the College the money presented to him by the Karl Pearson Commemoration Fund Committee on the occasion of his retirement. That sum—£440 in all—is to be used as a fund for the promotion of the publication of work in Statistics, and will be associated with the name of Karl Pearson himself.

Friends of Sir Flinders Petrie have not lagged behind those of Karl Pearson in paying tribute to his work and personality, and

it is pleasant to know that through the generosity of those friends the College will shortly be in possession of a portrait of him by de Laszlo.

To Dr. Pollard we offer our congratulations on the Honorary Degree of Doctor of Literature shortly to be conferred upon him by the University, to Professor Norman Baynes on his Doctorate in Divinity, recently conferred upon him by the University of St. Andrews, surely a rare distinction in this College, and to Professor A. V. Hill on the triple honours—again a very rare distinction—of three Honorary Doctorates in one year, viz., a D.Sc. of Oxford, Manchester, and Bristol.

The College has itself received one very pleasant and unexpected honour. This year is the centenary of the death of Richard Trevithick—the great pioneer in the development of the passenger locomotive. His early experiments were carried out on the site of the then non-existent College. The promoters of the centenary celebrations have now presented to the College a tablet commemorating Trevithick and his work, and it has been placed on the Gower Street front of the Engineering Laboratory—an inspiration we may hope to many generations of engineers yet to come.

In conclusion, may I offer some words of welcome to those new Professors who will be taking up their work next session :—Captain G. T. R. Hill, son of Professor M. J. M. Hill, an honoured name in the College, who is succeeding Professor Coker ; Professor H. E. Watson, a distinguished pupil of Sir William Ramsay, who is taking up the work, so tragically cut short, of Professor Gibbs ; Professor Pellizzi, at present Reader in Italian in the College, who is succeeding Professor Gardner in the Chair of Italian ; and Mr. Cowley, at present County Librarian for Lancashire, who is succeeding Dr. Baker as Director of the School of Librarianship.

And may I, last but not least, welcome very cordially among us Sir Josiah Stamp, our ever good friend and neighbour, who as the head of a great industrial corporation has shown himself aware, to an extent which must give delight to all of us, of the services which the Universities can render to Industry.

The Provost then announced the names of the chief Scholars, Medallists, and Prizeman, and presented them to the Special Visitor.

ADDRESS BY SIR JOSIAH STAMP.

The Management of Mind.

If it be the object of today's function to celebrate the results of long application to study, and to congratulate ourselves on the outcome of it, I can well imagine that the solemn announcement of my subject, *The Management of Mind*, will fill you with the gloomiest forebodings. According to your mood, you will have the worst anticipations of metaphysical obfuscations about the relations between phenomena and noumena, innate ideas and the thing in itself; or psychological excursions into behaviour, and habit, and will; or phrenological analysis into the balance of separate mental functions; or theological dissertations on self-mastery; or logical exercises for reducing your knowledge to syllogisms in Barbara; or even a lecture on Pelmanism, cramming, and other training for the memory. Whatever it is, it will look very much like more work, something to be added to your already overburdened curriculum, for which you will not give me thanks. But let me hasten to reassure you that I really come as a friend to suggest a lightening of your load, or at least a repacking of it periodically so that it sits more comfortably to the shoulders of your spirit. "Mind"! I shall be almost as equivocal in my use of terms as the classic indexer who put under "Best, Mr. Justice: His great mind, p. 351," and when you turned to p. 351 you found that "Mr. Justice Best said he had a great mind to commit the witness"!

Most students have settled upon certain methods of study, memorising, notetaking, underlining, revision, more or less accidentally, I suppose, in the course of their school life, according to the prevailing habit and custom, and without any conscious experimentation to see whether those methods are the best adapted to their own individual minds. Now those methods have become acquired as natural, and it would need a very conscious effort to displace or modify them, so conscious as to be self-conscious and take their minds off the main issues. Now, today, the curriculum is so exacting that there is no time to explore processes of thought and get new tools, or sharpen old ones. The time for that seems to have gone by.

And yet a student who stands aside and abdicates all control over his mental processes and conscious direction of them, runs a great risk of letting his faculties get into bad habits, and become ineffective for his main purpose. Will you agree the mind must be disciplined to some extent, without making a slave of oneself? Very good, that is all I ask you to concede. For if management of mind is desirable, on what principles does it proceed, and for what ends? I think we must take the ends first, because on them will depend the means of locomotion and the direction. You may not all be ready for this—perhaps are like the Irishman who, when asked by the fugitive the way to a certain seaport, exclaimed: "Ah, if I was going there, I shouldn't start from here at all."

Nearly all social observers agree that modern developments of life—cheap literature, easy travel, the broadcast, and the cinema—have multiplied the points of sensation, emotion, and interest so rapidly that the power of mental response of the ordinary person is overtaxed, and he tends to flit unsteadily from attraction to attraction, only half savouring real enjoyment and thorough realisation in a continual succession of mental excitements. There is so much to see and do, and we want to see and do it all, and topack life as full as it will hold. In a few hours' motoring we can see more beauty spots and places of interest than our grandfathers could see in the holidays of a lifetime. We can even be like the four American tourists, in *Punch*, who dashed up to the cathedral in their car, and Sadie, descending, exclaimed: "Pop, we've got eight minutes—you do the inside, and we'll do the outside." Is it better to settle down and absorb a few well-chosen ones or to sip hastily and superficially at many? Is it better to read a few carefully selected spacious and slowgoing books, or to pass voraciously over a large number of peptonised guides to knowledge? Can we *really* survey mankind from China to Peru? Is the impression on our mind for a given mental effort for a given time, a constant cubic quantity, as some psychologists suggest, so that extension of area can only be secured by reducing the depth? And does ultimate value and enjoyment depend on area only or thickness only? Perhaps that analogy is not accurate enough. There may be two minds, with equal area of survey and equal depth of attention over the same range of life's objects of interest and sensation—their cubic content of experience is the same and similarly dis-

tributed—yet there is difference of *quality*, and one mind has lived in an intensity that the other knows not. There is a *vitality* which counts.

Now the greatest problem facing the individual mind today is the deliberate choice between innumerable small, rapid impressions, tasting everything that comes, and a narrower range of experience, balanced and calculated to equip and to satisfy. No man today is truly educated who is not facing this problem, on natural lines, and learning to manage his mind. A leading article in *The Times* recently put my point admirably. After dealing with the absence of purple patches in platform eloquence and conversation, it goes on: "All this makes it the more remarkable that in life itself, as distinct from talking about life, the purple patch has a greater vogue than ever. The young pre-eminently and naturally, and their elders at no long interval, tend to measure and value life by the special opportunities which it brings of excitement and enjoyment. Most of us live not so much from day to day as from occasion to occasion . . . . But it is essential to keep a right perspective. We must see the purple patch for what it is and should be, the exception and not the rule. It is fatal to be blind to the truth that, if life were one unbroken series of purple patches, we should grow sick of the sight of them and think of a sandy desert as a treat. A life of nothing but excitements would quickly lose its savour and become as dull as ditchwater. The incessantly stimulated nerve soon ceases to respond at all. There is nothing so lacking in sparkle as the exhausted pleasure-seeker. . . . Subordinated to a greater end, the purple patch is not only permissible, but necessary. Its function is to be the rare and refreshing inspiration to a better and brighter handling of ordinary things."

The truth is, that the best life, the life most worth living, is ninety per cent. routine, and only ten per cent. excitement, novelty, and change. The great thing is that the routine shall be *good* routine, well chosen, determined, on the highest economical level, with short-distance and long-distance aims in harmony and worthy, never stale, but revised and fed from new sources of energy. A routine on which time and effort and conscious choice have been spent, then faithfully adhered to, is a great time-saver and energy-conserver. There is nothing worse for the spirit than having to make decisions every day on the things that ought to be regular, and

above (or below) the conscious mind—agonising decisions about the time to get up, and how one shall divide the day, and what aimless aims shall distract our attention. Such decisions should be neither whim nor strain. As many *lower* decisions ought to be made for us unconsciously by our predetermined course or habit as possible, to leave our conscious minds free for higher decisions. Business progress consists in making ever higher and better routines—things that once had to be determined *ad hoc* and afresh at every recurrence, reduced to the form and order of scientific and specialised experience. There is nothing worse for the mind than to fritter its power away in the apparatus of working.

For all the days to be filled with unrelated excitements, pleasures, or special experiences is like a Christmas pudding made with the most attractive and varied ingredients, but insufficient flour. It will fall to pieces by its own richness. To superimpose sparingly the elements of emotional change upon routine is to enhance the value of both.

The discovery of this routine is the first object of the management of the mind. And not everyone who has a routine task to do has discovered it. For, like all other knowledge worth while, it can be improved and extended by conscious examination and experiment. It is worth while to take time to study our own mental habits, processes of working, and special aptitudes. It is even worth while to try alternatives, merely as processes, and assess the results carefully.

In the second place, the mind is a sensitive and powerful instrument, on which our whole individual usefulness and effectiveness depends. If it has one way that is better than another, if it has a grain, or a temper, what is it, and how do we discover it ? We may desire to maximise its effectiveness—it has many parts and faculties—these can be in uncontrolled competition and confusion, or we can introduce a co-ordination, a principle of management. The mind is our means of acquiring knowledge, of forming opinion, of influencing others, and of satisfying our own mental demands. If the end of knowledge is action, as Huxley and others before him declared, somewhere a sense of direction and means to ends must be introduced. *This is management of mind.*

Again, all our thinking, however abstract, is the individual product of our resources and environment. We may say we are

unbiassed, but every one of us has a personal equation, an inherent constant, and it is as well we should know it and assess it, even if we cannot dodge it or subtract it, for when in contact with society it is as well we should allow for it. We ought not to get rid of it, otherwise our work will be lacking in force, in inspiration, and in abandon—it will become frigid, objective, and over-scientific. The deliberate separation of emotion from ratiocination is impossible if we are to expect the birth of creative ideas. This is one of the hardest achievements of the management of mind.

In the fourth place, management includes the transmission from the mind to others by words in writing and speech. Just as the manager of a business has only half done his job if he produces excellent articles by the best processes under the best personnel, and has not considered transport, delivery, and what customers actually want and can buy, so the inarticulate and word-bound thinker of the highest quality has only begun when he has thought a good thought, if he cannot get it over into the fermenting stock of general ideas and practices.

Let us look first at the conscious control of mental processes, or, as I prefer to call it, the intelligent construction of mental routine. Graham Wallas tells how, as a young teacher of 23, preparing boys of eleven and twelve in Greek and Latin for scholarships at the big public schools, he made them repeat, not mnemonics for roots and rules, but a kind of catechism, "My duty as a member of this class is to acquire correct intellectual habits," in order to make them process-conscious. "These boys are now grown men," he said, "and I have never had any reason to think that the effect on them of such early intellectual self-consciousness has been other than good." To have the right utensils, to keep them sweet, and keen, and clean, is the first contribution to good workmanship. What are these processes that need management, these mental habits to be controlled ? The improvement of memory is at once conjured up by all as the most significant, powerful, and important. An American investigator who wrote on *How to Study* said that nearly every student he approached thought of improving the memory, or memorising, as its nearest synonym. It *is* important indeed, for an armoury of facts is a useful adjunct to every operation, and no one should despise it, or use his memory at less than its best power. But too much may be made of it, especially if factual

recital is mistaken for mental power or process. Sometimes this wealth of memory positively inhibits freedom of thought. It is a fine thing to see a physically developed giant perform, unaided, great feats of strength, self-contained, dependent on no artificial aids or artifices. *Very useful indeed—in the Stone Age.* But that kind of development is not calculated to achieve the highest results in society today. It is not often wanted. It is better to be punier, and even sicklier, and yet to know which button to push, which lever to pull, to light dark places, start great dynamos, throb the power houses of the world. In like manner most of the intellectual work in the world does not require to be done by brain on desert islands, isolated from accumulated knowledge. You will be mentally more powerful if you know *where* to find knowledge instantly than if you stuff your head with facts—*after* the examination, at any rate ! The man who knows his way about a library is more effective today than the man who knows twenty of the books by heart. General knowledge papers are good, but, if it were practicable, I would hand the candidates the question paper, and set them loose in a large general library, and see who could find his way around that world of knowledge most effectively in a given period of time—a new kind of treasure hunt. To know *where* to find, and *how* to use, is worth real study and effort ; it has a technique of its own. I would have examination papers in it. First, given the library catalogue and an hour allotted to the task, to which section of books would you turn as most likely to give you the answers to the following problems, *a*, *b*, and *c* ? Second : "Here are a hundred volumes. Say how you would enter them if you were compiling the catalogue of a library." To know where personal storage of facts should end, and personal knowledge about where facts are stored should begin, and how to allot your time between the two courses, is the first beginning of management of mind.

But let me not belittle memory. One cannot carry a library about, and the ready presentation of facts is so valuable, that we should *know our own minds* in this sense. But how many have performed deliberate experiment with their own minds ? You may be following some memorising, Pelman system, of association and repetition. It is to be hoped that you really do so to an extent that is worth while. But even that can be profitably varied for different minds. To some visual

effort is important, to others aural. I can listen, but to *learn* I like to see the matter in black and white, the visual image, and I can often remember the exact place on the page where the vital fact lies. My friend Owen Young likes to have matter read to him, then read again, and his critical faculties are at their best when listening. Lord Oxford said in his Memoirs: "Our two rhetoricians, Lloyd George and Winston, as it happens, have good brains of different types. But they can only think talking: just as some people can only think writing. Only the salt of the earth can think inside, and the bulk of mankind cannot think at all." Some *repeat*, till it dents the mind; others buttress round with associational ideas. But my experimental control has yet to come of that is all. If you know the methods by which the Institute of Industrial Psychology has reached many of its most effective results, you will get hold of my analogy. Some process—typing, filling chocolate boxes, threading—is tested over a measured time under varying conditions—the first hour, the last hour; before the break, after the break; before tea, after tea; with music, without music; on Mondays, on Fridays; in solitude, in company; changed and unchanged; and the results are compared for efficiency and waste. Much is learned about the best and least exhausting conditions—rest pauses, accident liability, and welfare generally. Before we construct our routine, and then lean our whole life's conduct upon it, let us, as Plato says, "Put thought in it." For example, take similar or parallel lists of facts, dates, events, vocabularies, and memorise them your own way, but under different conditions—at the beginning of other mental work, at the end of long thinking; in small instalments, in large; with revisions at daily intervals till perfect; at two-day intervals, at weekly intervals. Put the material aside for three months, or for six. Then repeat, and see which course has left the best final result on the brain. Each list must be carefully noted, with the conditions under which it was memorised. You will find surprising differences in effectiveness, *but when you have found your optimum point, use it regularly and put it into your routine.*

In a like manner, but less simple, study analogous problems of equal degree of difficulty, under entirely different conditions—one, say, by careful note-taking of a few sources, another by oral lecture, another by wide reading and essay writing. Then, after

a sufficient interval, put yourself through an examination and compare the results. Every timber has its grain, every metal its temper ; so every mind has its characteristic stroke or beat, and the first essential of management of mind is to discover our own and make a routine of it.

I have not thought particularly of passing examinations, and cramming is rightly condemned as an end of knowledge. But don't be superior or snobbish about it. If examinations have to be passed, and are a part of a system, we may as well consider *their* grain too. Practice answering under examination conditions in order that the mind may work freely, and not strangely, or self-consciously, when the time comes, frightened of the clock, fidgeting between brevity and length ; focus attention on what the examination is most likely to require, and put that first, for the time being at any rate. For I believe preparation for examinations may be an important step in the management of the mind if it induces conciseness, arrangement, and proportion. Even the despised cramming may have its virtues in practical life, for the ability to load up quickly, then unload for the job in hand, and then clean up ready for the next task, may be very useful in business, where the thoroughgoing student, who scorns the cram, and learns as if for eternity, may find the chance has gone by him. So I do not wholly decry what is indicated by "cramming," but I would stop it spreading over a whole examination by every means in my power. In my model examination I would reserve one corner, "the crammer's paradise," where he could display the virtue of his defects. The candidate would make a statutory declaration that, in the subject chosen, he had never read a book, heard a lecture, or made a note until within three weeks of the examination. His effort would be the supreme chance of the mental sponge. Original thinking would be heavily marked down. This would be so successful that I should then be entitled to have another paper called "the crammer's horror," or the "joy of memory," in which the candidate would make a statutory declaration that, for this subject, he had not looked at any notes or books or heard any lectures for the space of twelve months prior to the examination day—a true test of ultimate, absolute, residual knowledge.

Let it not be thought that in my zeal for reform I condemn

examination knowledge, even as it stands. The discipline it represents is a real contribution to management of mind. Moreover, the examination sets a goal and a tone, and puts an end to diffuse, "interesting" reading, dilettante interest, passive mentality, and work at half-strength. I often say that one never really knows much about a subject until one has either taught it, written a book about it, or worked for an examination. And it remains true that unless we have been driven into our deeper reserves of mental power, and run on our second wind, so to speak, we have not *exercised* our minds. Read William James on *The Energies of Men.*

Now the discovery of the best technique of our own minds is the first element of management, and the beginning of a fine routine. But we ought to find out how others do their best work, and make experiments in their medium too, for even a batsman with characteristic strokes of his own, or a golfer with an individual swing, can watch others who do better, and, perhaps, improve his personal style. Conscious examination and comparison, and controlled experiment, are essential to self-knowledge. There are many books on memorising, but no one should fail to study Graham Wallas's *Art of Thought* to discover how much mental power lies in the establishment of good processes of preparation, incubation, illumination, and verification, as he calls them. Ernest Dimnet's *Art of Thinking* is valuable in a different way. You will all read your own Professor Cyril Burt's new book on *How the Mind Works.*

Some of us are repelled by memory systems, and knowledge becomes cluttered up with mechanisms. I open at random a popular complete guide to memory, and I am invited to remember "maison," by "mason," who has a lot to do with building a house. Much encouraged, I persevere, and the next is "fromage," a tougher proposition. Here I am told to think of it as "from age," when *cheese* naturally follows! A person boasts that he learned the succession of the Kings of England in ten minutes by annexing the names of the successive monarchs to the successive rooms and principal parts of his own house. There is no limit to the wonders of this manual, but they fail to stir me, and my memory will go on feeble and dissociated to the end. Not for me that Richard I. suggests The Chivalrous Crusader, which, by a scale of letters and numbers, tells me 1189, or Charles II., as Public Satisfaction, gives 1660, and George IV., Naughty Sovereign, makes 1820.

Memorising is like building. Never go to all the trouble to put up the walls unless you will have time and patience to put on the roof. Once when Susanna Wesley was teaching her eldest son Samuel, her husband said: "Sukey, I wonder at your patience. You have told that child the same thing twenty times." She replied "I should have lost all my labour had I satisfied myself by mentioning it only nineteen times—it was the twentieth that crowned the whole."

Good memory, like patriotism, is not enough. It may go with bad judgment and feeble intelligence. Some of the best arithmeticians, with the minds of bank cashiers, are not mathematicians, and many mathematicians have been arithmetically inaccurate. There are different orders of memory—the bridge mind, which can remember intensely for a brief, but adequate, period a narrow range of facts; the retentive memory which can give forth long passages of poetry; the scientific memory, which retains principles and their vital illustration; the inconsequential memory, that treasures trifles and misses the haystack. The best memory work is based on principle—not the memorising of unrelated details by sheer brute force, but the natural way of grouping them round classification or principle, when they adhere of their own accord. The memory is relieved from the burden of non-significant facts if well assimilated principles are allowed to do the selection work without much hindering the mind. Principles are the great labour savers.

Whatever we may do with memory, it is limited, and we must be careful and discriminate in what we feed into it. The art of reading, and the degrees of attention given, are the second great factor in management of mind.

It is said that nearly all books contain a large amount of matter which is not strictly necessary to the main theme, and the same problem can really be stated in a much shorter space. The student makes even more abbreviated and bovrilised extracts, and reduces whole volumes to a few pages of notes, which then stand for him in the *place* of the whole. Does this mean that a seven-hundred-page guide to all knowledge is all we need, and we can abolish libraries and universities?

Pelissier's potted plays were only interesting and amusing because we knew the whole, and could admire the art of abbreviation.

Nothing is duller than a ten-line biography of salient facts, than a summary of events, than a synopsis of a play, than the "plot" of a novel. Your extract of knowledge in your notes is only valuable to you because *you* have the diluting and human context; it is the mere shorthand of *your* mind, valueless to me. Whenever art is valuable and persuasion necessary, or atmosphere important, knowledge needs stating with appropriate spaciousness in planes of perspective in space and in time. This preamble may be too long drawn out, as we tend to think *now* of the non-essential matter of Scott's novels, but some amount of skilful and delineatory accessory is necessary for the proper assimilation and appreciation of the hard central theme. It is to the mind what "roughage" is to the digestion, and stands as a carefully devised menu would to the same protein and vitamin content in a few pellets. The careful balance, therefore, of less essential matter to the unescapable and vital is the problem of every writer. He must produce what is the most appropriate to the majority of the *intended* readers. But every individual reader has his own requirements, and, therefore, it is not strictly necessary, or even desirable, that every reader should plod with equal attention and conscientiousness through every page. If you have read a dozen books on the gold standard, and a thirteenth comes your way, you would be a fool to think that you were dishonest if you did not plod over every page as though it were your first volume. To you the problem is: What does this *add* to the others in facts and expression? And here comes the judicious *art of skipping*, or less concentrated attention, which is your real prerogative, and no insult to the author, always provided that your mind is managed.

I should like to hand each examinee a new book in his own subject, give him a limited time, and pose the question: "What are the main characteristics of this book, and its distinctive place in, or contribution to, the literature of the subject?" We should then see who had trained himself to face a practical world, with its welter of unmanageable units of knowledge, to come through the flood, not only unsubmerged, but with his hands full of intellectual treasure-trove of unimaginable value. Ernest Dimnet has said: "Whatever we read from intense curiosity gives us the model of how we should always read. Plodding along, page after page, with an equal attention to each word, results in attention to mere words."

I would add that the time saved in skipping or cursory reading of the mass of a book might well be spent in reading the special residue several times over. Putting thought into the arrangement of time and the stress of attention, as distinct from automatic reading, is management of mind. And the faculty will grow till it becomes part of the perfect routine.

It is a mistake to think that mere reading is an occupation of high value ; it may have nothing more to be said for it than any other way of *passing* the time, and, therefore, may vary from zero to infinity in its value for the mind and character. But as no one can tell, when we have a book in our hands, what is happening between the printed page and our minds, we can often get away with more credit than we deserve. Reading is often a device for saving us from thinking, or even facing up to our responsibilities. In time, the brain becomes rather " jellified," as Dimnet puts it. Our most serious attempts at mastering what we read may be constantly hindered by adventitious images which we call distractions, leaving only a fraction of our consciousness available for what we read. Pop, in the strip pictures, was asked why he was reading when the wireless was on. He said, " to take my mind off the broadcast ! " And when asked by the next person why the broadcast was on while he was reading, he said, " to take my mind off my book ! " The habit of trying to get the best of two worlds, or to take too much in at once, is, perhaps, where the management of mind has a considerable scope.

If you could analyse the behaviour of the average man in a library, you would learn more about his character and management of mind than, perhaps, in any other way. It was said of de Talleyrand, " Nobody can talk like M. de Talleyrand in a library ; he takes up a book and puts it down again, contradicts it, leaves it and returns to it, questions it as though it were a living thing, and this procedure both enriches his conversation with the profundity and the experience of the ages, and gives to the works in question a grace which their authors often lacked."

Having learned which is our best way of working, we then have to decide what we shall work on and how we shall divide our mental energies over the widest range of material with the most limited range of time. I have tried to answer this for myself in a recent book on *Ideals of a Student*. No doubt our calling and our aptitudes narrow the choice, but there is still always something

worth while for the mind to decide upon. I want to get it out of your heads that there is any waste of time, anything "unnatural," in spending a proportion of our efforts deciding our plan of campaign and our method. A famous airwoman once told me that she made the greatest distances not by pressing on, regardless of the machine, but by allotting a generous proportion of time for overhauling and studying that machine. I can assure you that in my business experience much the smaller percentage of one's time is taken up in arriving at decisions and arranging what *ought* to be done—the larger proportion must be devoted to negotiating that settlement with all the people affected—arguing, coaxing, outmanœuvring, stage-managing, and generally getting the machine of human contacts, with its conservatisms, its repulsions, its inertia, to adopt the new idea, not passively, but with that personal activity which alone can make it successful. One has to treat the mind in much the same way. I know that there are many who fuss about so much over how they are going to work, and what they are going to work on, that they never really get to the work itself. But I am assuming that the majority of us enjoy a temperament of activity and energy; at any rate, we feel that when we are *busy* we are doing something. But the best business is not "busyness," and everyone ought to have stretches of apparent idleness, with his slippered feet on the mantelpiece of his mind, contemplating his programme of work and the method of attack.

One of the spheres in which conscious management is most desirable is nowadays in our attitude towards the amount of time we are prepared to give to newspaper reading and to casual conversation. If you analyse the numerous evanescent impressions as you spend half an hour roaming over the pages of a newspaper, and ask what is the total effect upon the mind at the end of a week, and then compare that with a policy of going straight for some particular item and focussing attention upon it, you will see that reading newspapers has two meanings. Much the same may be said about casual conversation. There are many minds which are quite happy if they are constantly dribbling words in amiable exchange of superficial ideas. Why do so many people think that long pauses in conversation are boring, or evidences of mental inactivity? They may be a more important constituent part of the conversation than the words themselves. A foreign critic

has said that "Anglo-Saxons cannot realise how many chances for mental improvement they lose by their inveterate habit of keeping up six conversations when there are twelve people in the room"; by which, of course, he meant that a general conversation might be a richer pool of ideas and influence. On the other hand, shy and uncommunicative people cannot give their best in a large group.

Without putting a constraint on the lighter sides of life, which are its salvation in these days, I would say that management of mind involves a routine that is serious and sustained, and that if the casual talk and cursory newspaper reading form too large a feature in that routine, there is room for revision and reinforcement. "De worst of dat nigger is he talk so much he ain't got no time to git no information."

Passing from the obtaining of knowledge to the formation of opinion, the management of mind becomes a more complex art. Have you ever taken the trouble to set out your view upon some subject—the English duty in India, the rights of minorities, total abstinence, gambling, the immortality of the soul, the feeding of school children, and then work back over the record of the way in which you reached that position—the books, the sermons, the debates, the evidence, the prejudices? You will probably be surprised at the paucity of the material and the spasmodic character of the judgment, and unless you have an unusually objective mind you will be puzzled to unravel your own processes. William James, on Habit said: "Let him note for a period of a month all the intuitions he is aware of in his own and other lives and let him test their value in providing him with knowledge. Let him decide how far unsifted intuitions are reliable sources of knowledge."

Many people rely upon *debate* to bring out the pros and cons and settle the truth. I am afraid the non-intellectual elements are so prominent that it hinders rather than helps many minds. They are more engaged in the partisan aspects, in the joy of scoring and avoiding defeat, or in registering black or white when grey is the truth, than in a fair intellectual judgment.

The very form of debate, so admirably adapted to test weakness, and to challenge carelessly accepted fact or unbalanced argument, is not, unaided, a fine intellectual exercise. Even if it does not

engage passion, prejudice, or the *argumentum ad hominem*, it leaves the mind a great deal to do to produce a final result, and that needs aptitude or training. The mind is much like a jury after Counsel for plaintiff and defendant have finished and before the judge sums up. I have assumed that prejudice is easily put off. Baxter said : " For in a learning way men are ready to receive the truth, but in a disputing way they come armed against it with prejudice and animosity."

It is surprising how reluctant many people are to admit that they have no view upon a question, because they have not been fair to collection or consideration of evidence. There is something virile about positive people. Duff Cooper says of Polignac : " His mind was always made up, even when he had no idea what he was going to do."

Control of mental processes, like liberty, demands eternal vigilance : the formal steps need a meticulous overhaul. I should like every student to read a charming book by Professor Thouless of Glasgow University, called *Straight and Crooked Thinking*, and to perform the exercises he prescribes as often as possible. A recent writer on *Intellectual Honesty* (Mrs. Chance) says : " For a thousand who recognise and despise slovenly dress hardly one recognises and despises slovenly thought." After laboriously and correctly amassing knowledge, how easily it may all be spoilt by fallacious, careless or tendencious reasoning when it is finding its way into opinion and policy, and what is the use of it unless it *does* find its way ?

This brings me to the next phase of mental activity—the communication of our thought and knowledge to others. It is of small use to control the acquisition of knowledge, to manage the formation of one's opinions, if our power of meeting other minds is never examined or managed. In the *Dolly Dialogues* we learnt " telling the truth to people who misunderstand you is the same as promoting falsehood." What a difference there may be between two men, each of whom may have satisfied a technical expert examiner that his knowledge is first-class in honours, but one has also the gift of transmitting that knowledge to the minds of others. Does the degree adequately convey the power of mind ? Just as in the School Certificate examination a star is added to the credit for excellence in oral work, in French or German, so I should like to see something to mark the additional excellence of the

expositor, for he is better fulfilling the purposes of life. Exposition, of course, must vary with the mind of the hearer, and the expositor must put himself as far as possible into the position of the listener. To do this perfectly needs understanding, sympathy, detachment. This takes us into the realm of character, for no selfish or self-centred man could ever compass it. In my model examination the examiner would be called upon to expound certain features of his subject to a fifth form schoolboy, a railway guard, a country doctor, and an attractive typist respectively. Oh, no! the examiner would not judge the exposition! He would not hear it, but would examine the *victims*, the railway guard, the typist, etc., and see how much *they* knew, and that would test the quality of transmission and power of exposition of the unseen examinee. By their *fruits* ye shall know them!

To examine and account for the difference in the impression we actually create, from what we have set out to do, is a wonderful experience, as you will discover when you read a condensed report of your own speech. Manner and emphasis mean so much in management. John Bright's distinction between his own and Gladstone's way of speaking deserves to be remembered. "When I speak I strike across from headland to headland. Mr. Gladstone follows the coast-line, and when he comes to a navigable river he is unable to resist the temptation of tracing it to its source."

Lord Oxford tells us that Kinglake once made a great speech in the House that went perfectly flat. "Peel asked and obtained Kinglake's permission to borrow it for himself. Accordingly the next night Peel wound up his own speech with Kinglake's peroration. 'He had,' writes Mr. McCarthy, 'a commanding presence, splendid declamatory power, and a magnificent voice, capable of all variety of intonation and expression. He brought the House down with the sentences which, delivered by their real author the night before, had fallen dead upon the audience.' Probably a unique incident in the life of the House of Commons."

It is a great snare to our intellectual honesty that a very careful and well-balanced statement so often fails to arrest or even interest, and the more meritorious it is as an intellectual product the less ferment and appeal it possesses. It seems that we have to outline certain aspects heavily, to suppress qualifying detail which alone makes the statements true, to repeat, and even to exaggerate shape

or colour. The result upon *their* minds may be nearer to what we desire, and to the truth, than their reception of our better-balanced effort. If "*one*" is the truth, but we have to shout "*two*" to get the effect of "one" in the hearer's mind, the clever and critical people may accuse us of exaggeration and distortion, or that cardinal sin of taste—repetition. The reader or hearer may bring about the result either as a mental process of his own or because he is being convinced against his will, or fancies himself as a judicially minded person who must never accept any advocacy one hundred per cent. Newman once said: "I shall lead persons on a little way, while they fancy they are only taking the mean, and denounce me as the extreme. Thus all good is done (I do not say kept up) by going before people, and letting them fancy they are striking a balance . . . let me be thought extravagant, and yet be copied." When the thesis we pursue is silently condemning their error, it is best done in loneliness and silence than in challenge, especially where they are made to look foolish. Baxter said: "And I know not how hardly men's minds are changed from their former apprehensions, be the evidence never so plain. And I have perceived that nothing so much hindereth the reception of the truth as urging it on men with too harsh importunity, and falling too heavily on their errors. For hereby you engage their honour in the business and they defend their errors as themselves, and stir up all their wit and ability to oppose you."

Whether or not we *think* we are training our mind, its action is certainly being moulded through the kind of experience we have prescribed for it—an examination course, membership of a debating society, local preaching, the cursory day-to-day interest in current affairs. Graham Wallas said: "Students may be wisely told not to allow their reasoning to be distorted by political or personal partisanship—they are perhaps not so often told to avoid intellectual distortion by their desire to get a degree." Personally, I should take this risk a long way, especially if the degree syllabus is wisely chosen. But the concentration on the prescribed central features and the perspective of the subject may inhibit the imaginative and critical faculties, and even the artistic qualities of presentation. To know a little less for the examination room, but to use it freely every day in human relations, to "turn the placid summaries" of the notebooks into something which an ordinary newspaper critic

would accept as decent literature, may reawaken the examination-drugged imagination. For the highly organised mental exercise of reproducing the matter learned, in the form of examination answers, and even essays, is not strictly a mental activity of the first order, not an imaginative or creative exercise. The very form of the question paper, and having to read it closely through, in its way an excellent discipline, is inhibitory upon mental freedom. The successful examinee may be merely one who has "done a great deal of packing for a journey he never undertakes."

It has been said that education is what you have left when you have forgotten all you know. It is certainly the total effect of the knowledge and the process of close assimilation, and exposition, upon the powers of the mind. This is your own secret problem: no one else can solve it for you. You can never have knowledge, whatever you know, unless you heed the immortal words of the ancient philosopher and "*know thyself.*"

The Dean of the Faculty of Engineering (Professor E. G. Coker): Mr. Chairman, Your Excellency, My Lords, Ladies and Gentlemen: I have the honour of proposing that a very hearty vote of thanks to accorded to our Special Visitor for his inspiring address to us this afternoon. We are indeed fortunate to have so distinguished a man to address us at our Assembly, and there are a few facts about him that I would like to mention briefly.

In the first place, he is one of us; he is a D.Sc. of the University of London; has served on its Senate, and has, I believe, been three times Newmarch Lecturer at this College. Standing on this platform, I am almost surrounded by members of that august body, the British Academy, of which Sir Josiah is a Fellow. There are also other spheres in which Sir Josiah Stamp moves. He is just as well known in industry as he is in Euston, and it is as an engineer with the record of his highly successful career as Chairman of our greatest railway that he makes his chief appeal, and especially so to me, for some years ago, long before Sir Josiah Stamp's time, I was an insignificant member of the engineering staff of his great railway. I then made a grievous error of judgment, for I thought that it was the engineer who was the superman of the railway, for he it is who designs the locomotive which pulls the trains from station to station. I have now come to the conclusion, however, that the real superman is the man who not only instructs the engineer

but also has a thousand other duties to perform. He has to see that the trains are ready; he has to provide steamships, hotels, and not least to construct that wonderful model of exactitude—the railway time-table, which demands our admiration and occasionally our despair. One other matter, and I will not delay longer, but I should like to point out that Sir Josiah Stamp is a public benefactor, for has he not given us summer railway fares in winter!

I have very great pleasure in proposing this vote of thanks.

The Vote of Thanks was seconded by the President of the Union Society (Mr. P. S. Magill).

APPENDIX VI.

List of Original Papers and other Publications from the various Departments of the College, December, 1933—December, 1934.

Department of English. (Professor R. W. Chambers and Professor C. J. Sisson.)

Batho, Edith C.

(1) Review of E. Blunden, *Charles Lamb and his Contemporaries*, and *Literary Friendships in the Age of Wordsworth*, edited by R. C. Bald. *Modern Language Review* (April 1934), 198–9.

(2) Review of G. W. Knight, *The Christian Renaissance*. *Ibid.* (July 1934), 344–5.

(3) Review of *Wordsworth and Reed*, edited by L. N. Broughton. *Ibid.* (July 1934), 352–3.

(4) Review of E. de Selincourt, *Dorothy Wordsworth*. *Ibid.* (October 1934), 462–4.

(5) Review of *Essays by Divers Hands*, Vol. XII. *Ibid.* (October 1934), 466.

(6) Review of *Edinburgh Essays on Scots Literature*. *Ibid.* (October 1934), 467.

Greg, W. W.

(7) A Formulary of Collation. *Library* (March 1934), 365–82.

(8) *The Honest Whore or the Converted Courtezan*. *Ibid.* (June 1934), 54–60.

(9) Text of *The Gypsies Metamorphosed*. *Publications of the Modern Language Association of America* (September 1934), 863.

(10) Review of G. M. Sibley, *The Lost Plays and Masques, 1500–1642*. *Modern Language Review* (April 1934), 193–5.

(11) Review of *English Lyrics of the Thirteenth Century*, edited by Carleton Brown. *Review of English Studies* (April 1934), 212–5.

(12) Review of J. Dover Wilson, *The Manuscript of Shakespeare's 'Hamlet' and the Problems of its Transmission. Modern Language Review* (January 1935), 80–6.

(13) Review of *The Plays of Marston*, edited by H. Harvey Wood, Vol. I. *Ibid.* (January 1935), 90–4.

HUSBANDS, H. WINIFRED

(14) 'Mansfield Park' and 'Lovers' Vows': A Reply. *Modern Language Review* (April 1934), 176–79.

(15) Summary of Periodical Literature. *Review of English Studies* (1934), 119–28, 247–56, 377–84, 496–505.

(16) Review of J. M. S. Tompkins, *The Popular Novel in England*, 1770–1800. *Ibid.* (April 1934), 233–5.

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